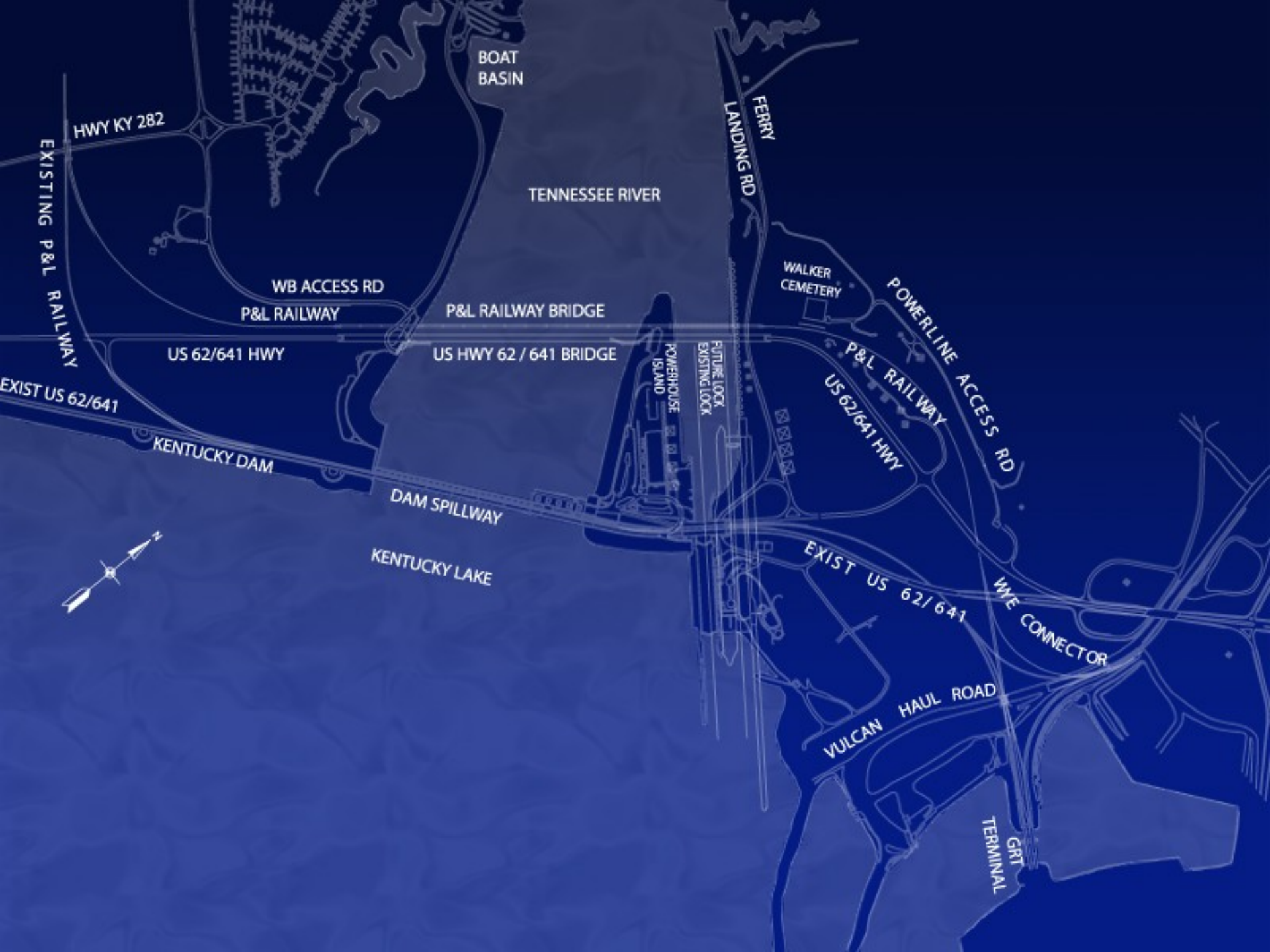
HANSON


BOAT
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HWY KY 282
EXISTING P&L RAILWAY
TENNESSEE RIVER
FERRY
LANDING RD
WB ACCESS RD
P&L RAILWAY
P&L RAILWAY BRIDGE
WALKER
CEMETERY
POWERLINE ACCESS RD
US 62/641 HWY
US HWY 62 / 641 BRIDGE
POWERHOUSE
ISLAND
FUTURE LOCK
EXISTING LOCK
P&L RAILWAY
US 62/641 HWY
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DAM SPILLWAY
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GRT
TERMINAL

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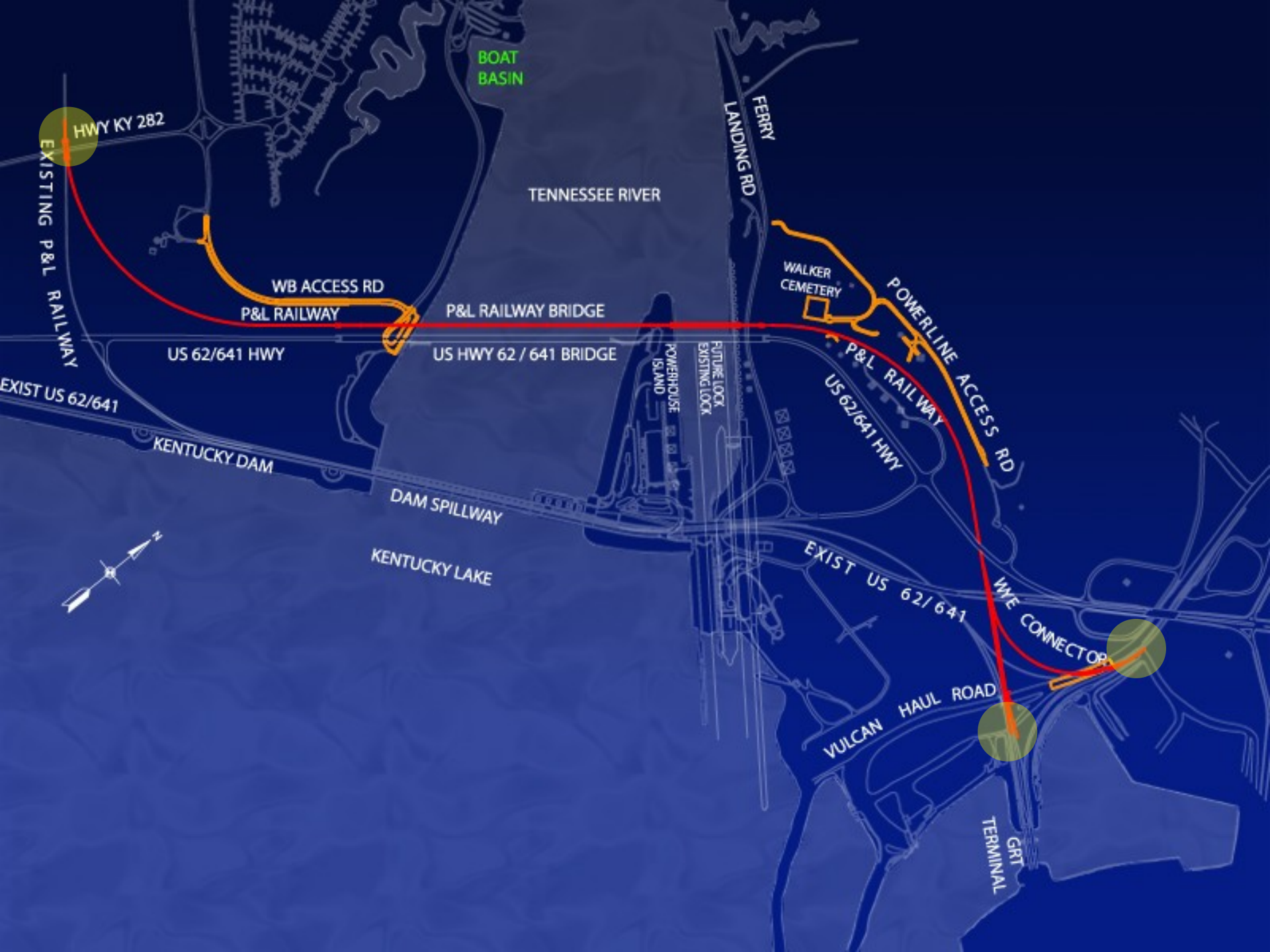
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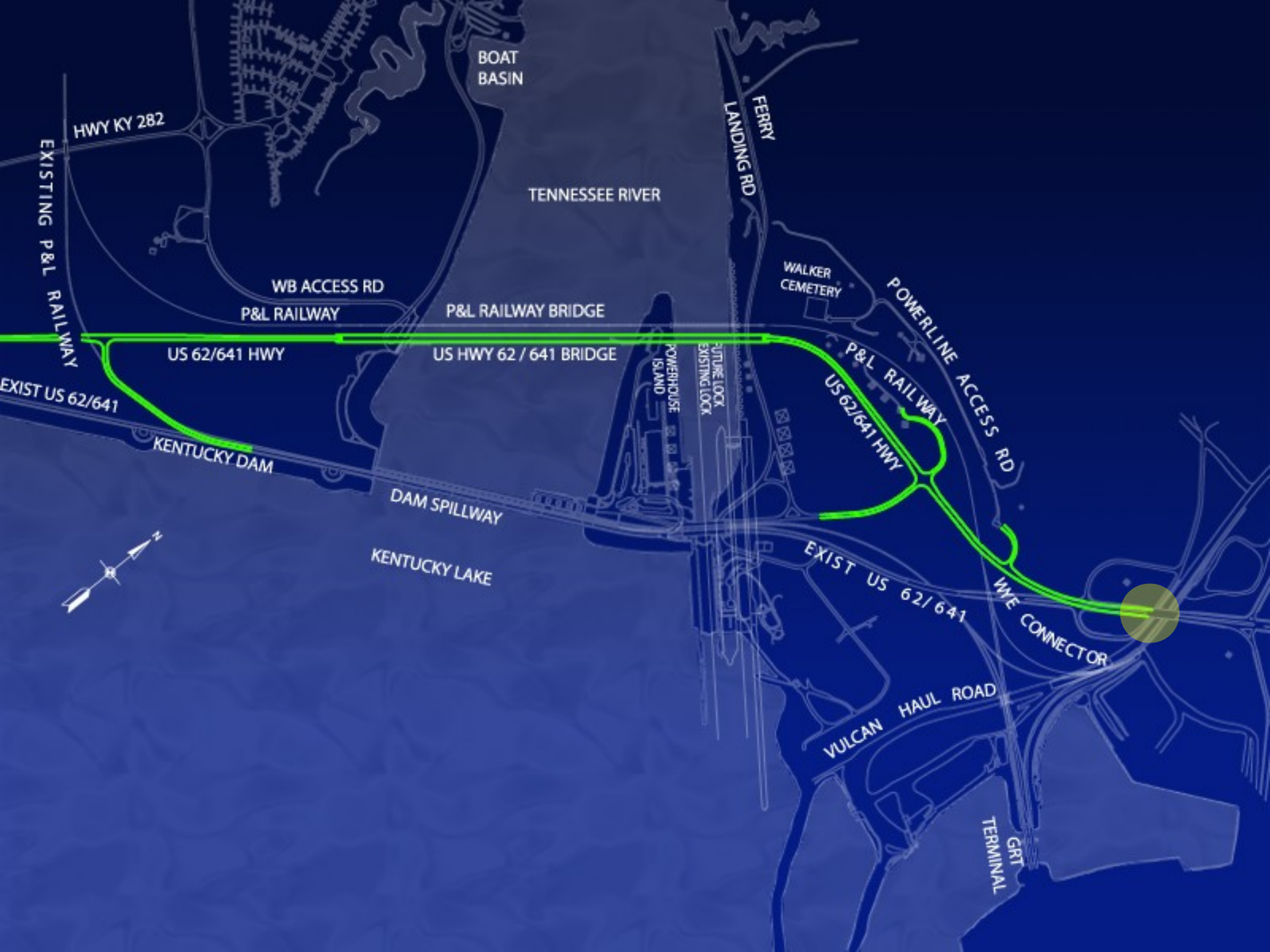
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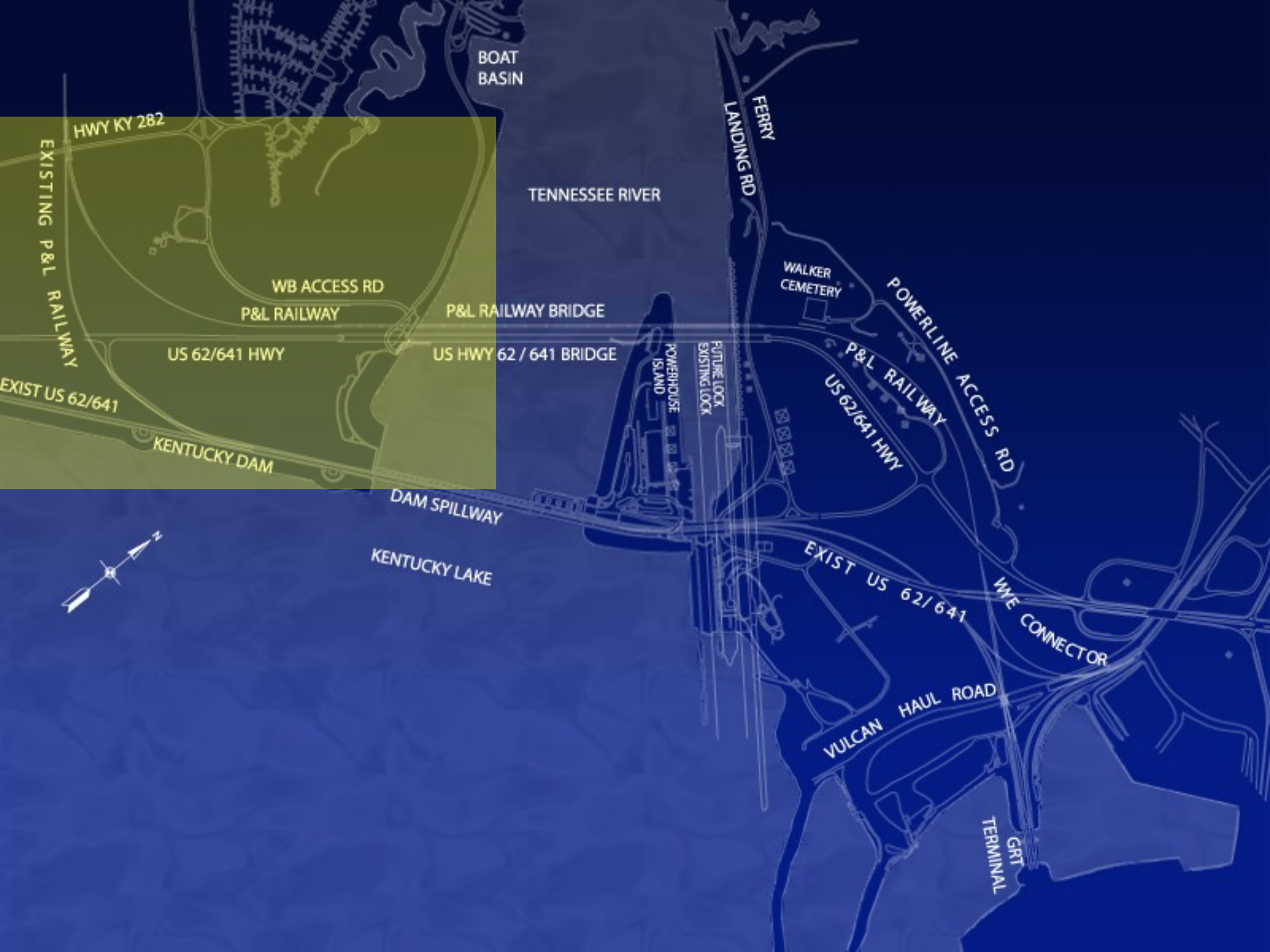
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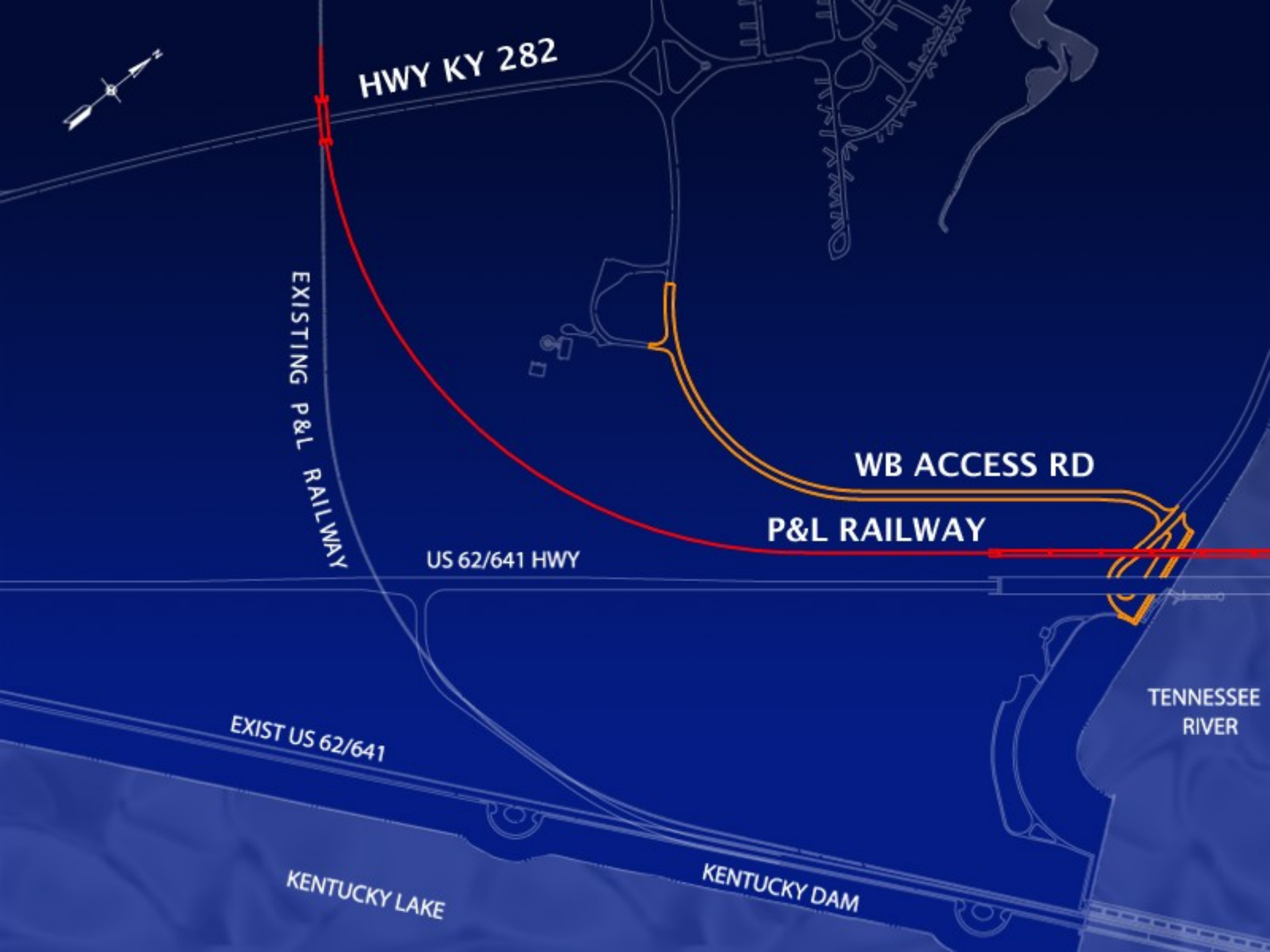
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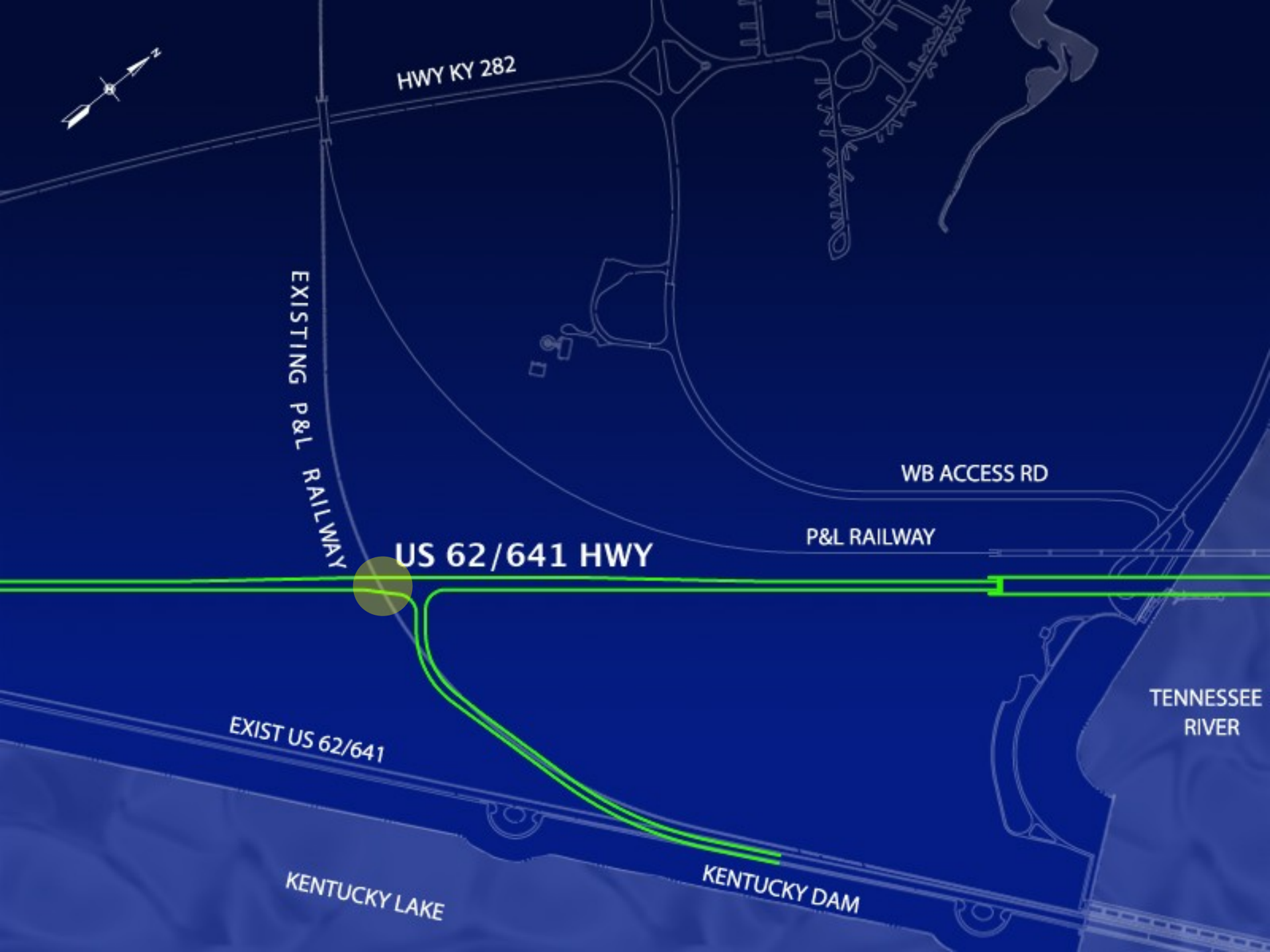
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EXIST US 62/641
KENTUCKY LAKE
KENTUCKY DAM

Site View

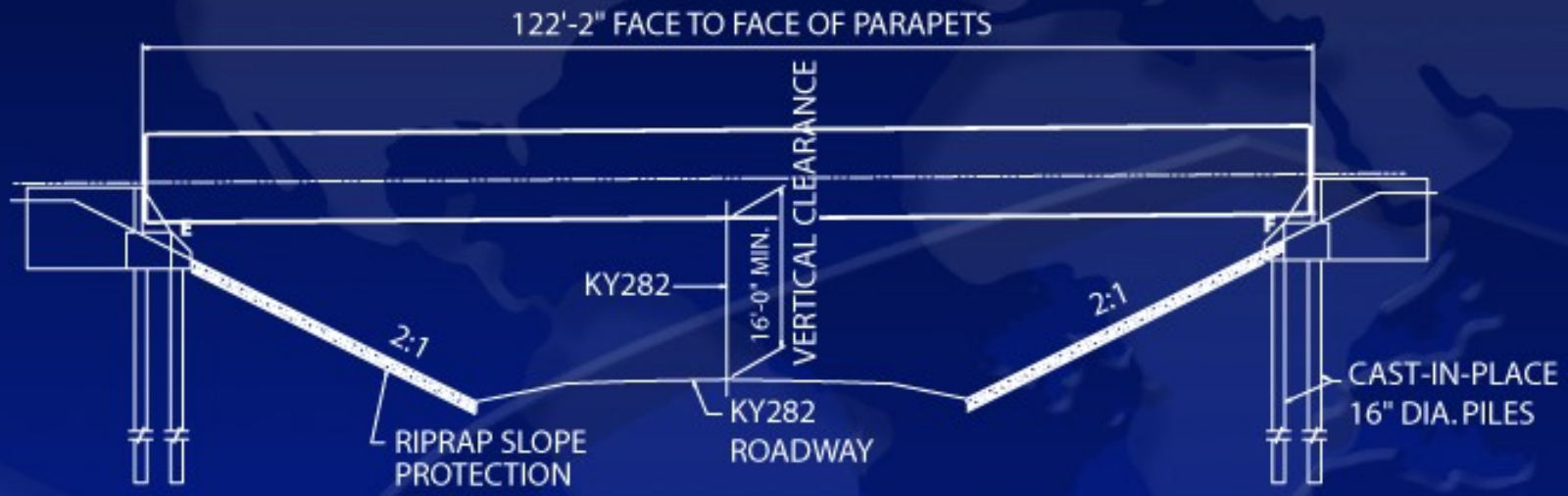
Combined West Embankment

West Bank Abutments

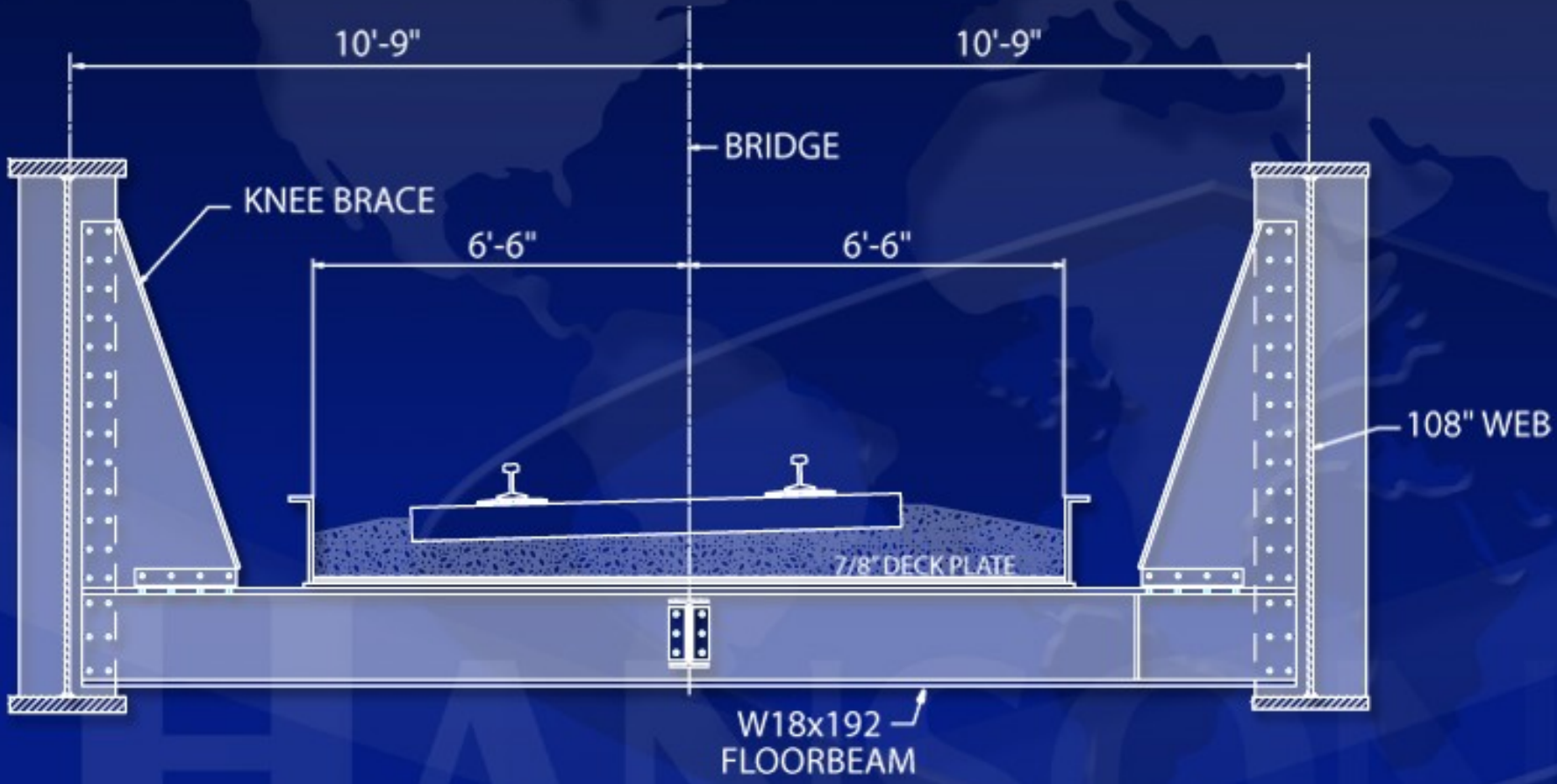
Existing Bridge Over KY 282

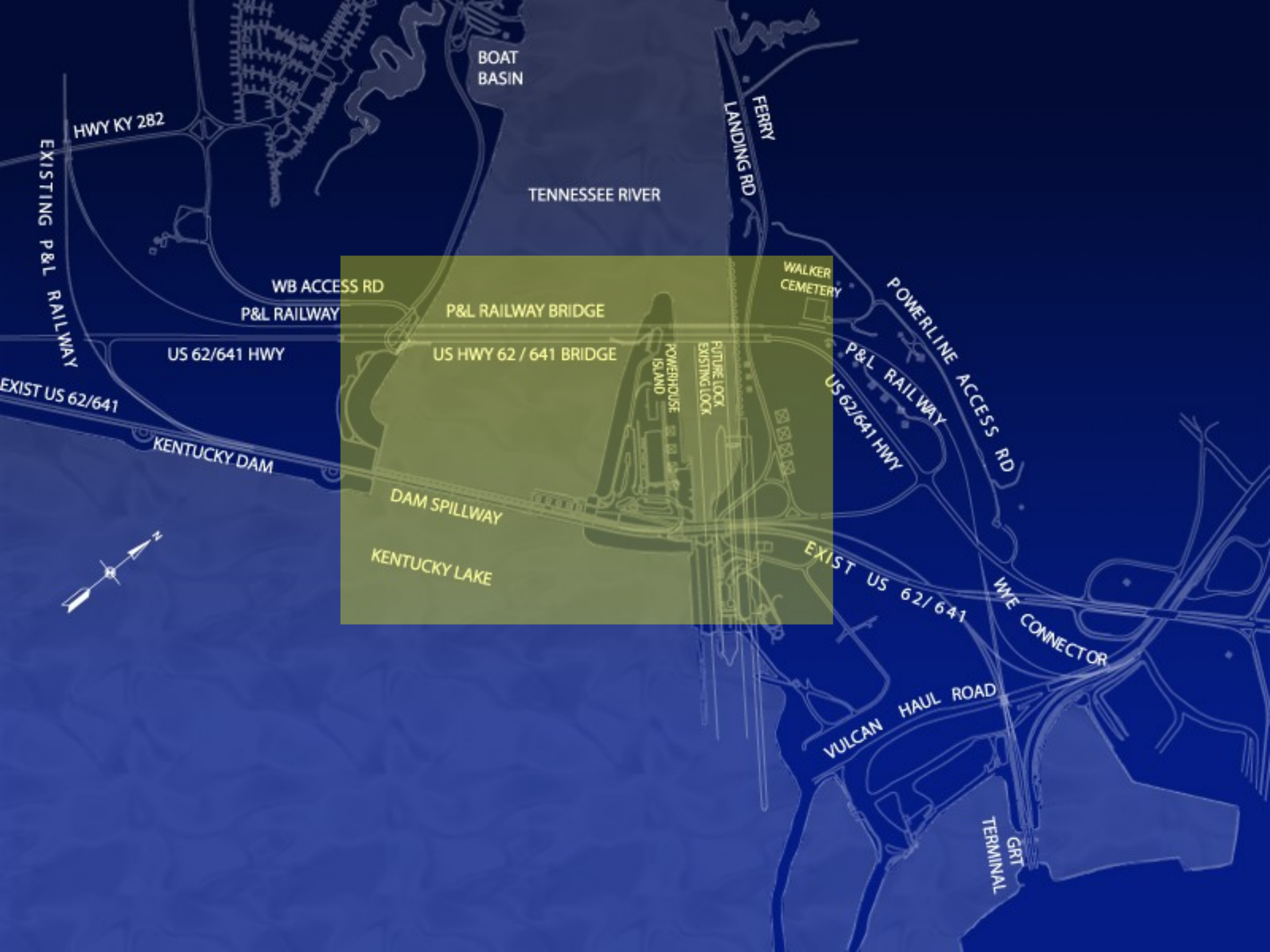
Railroad Bridge over KY 282

KY 282 Elevation



Deck Cross Section

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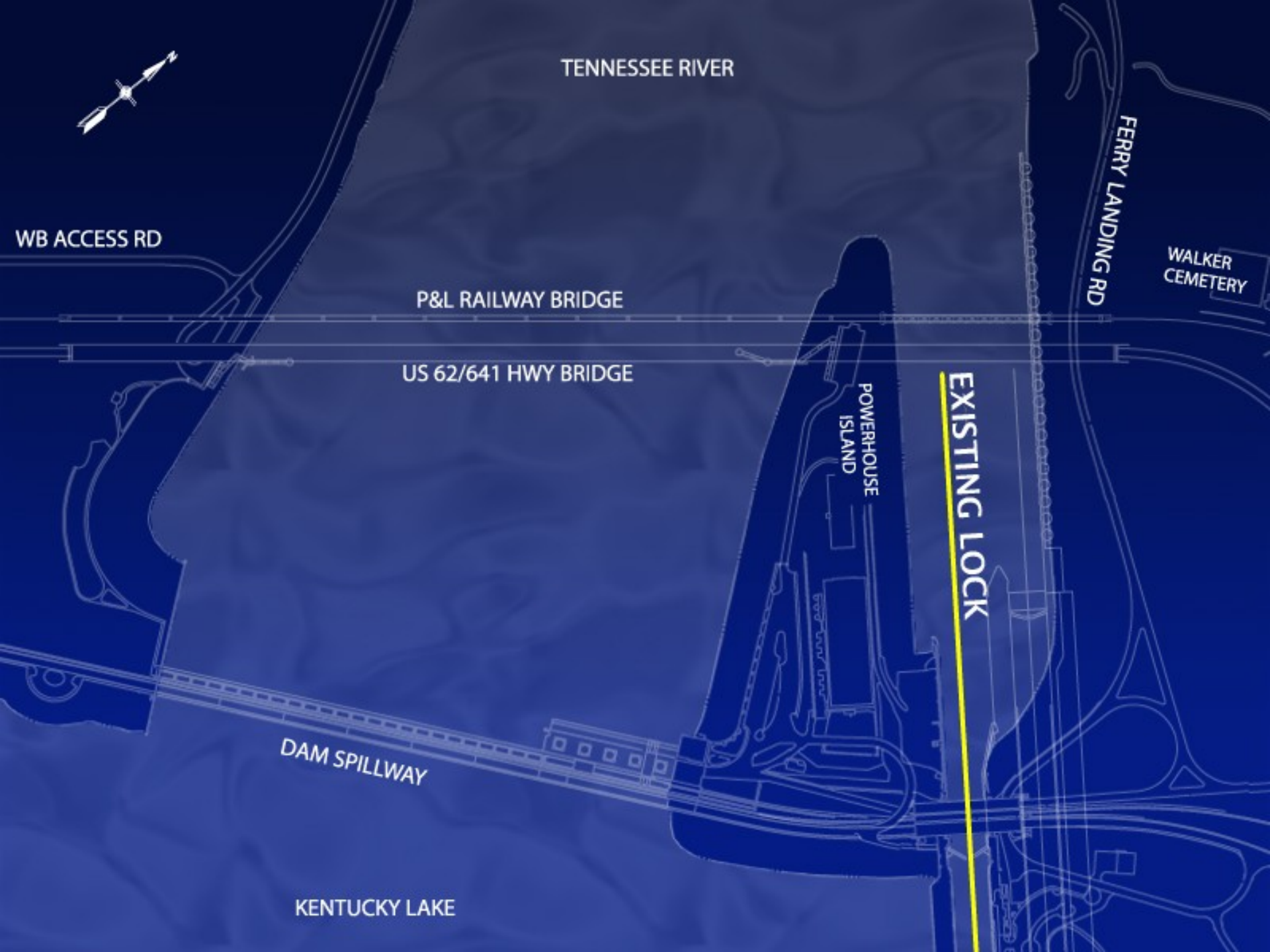
TENNESSEE RIVER
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US 62/641 HWY BRIDGE
POWERHOUSE ISLAND
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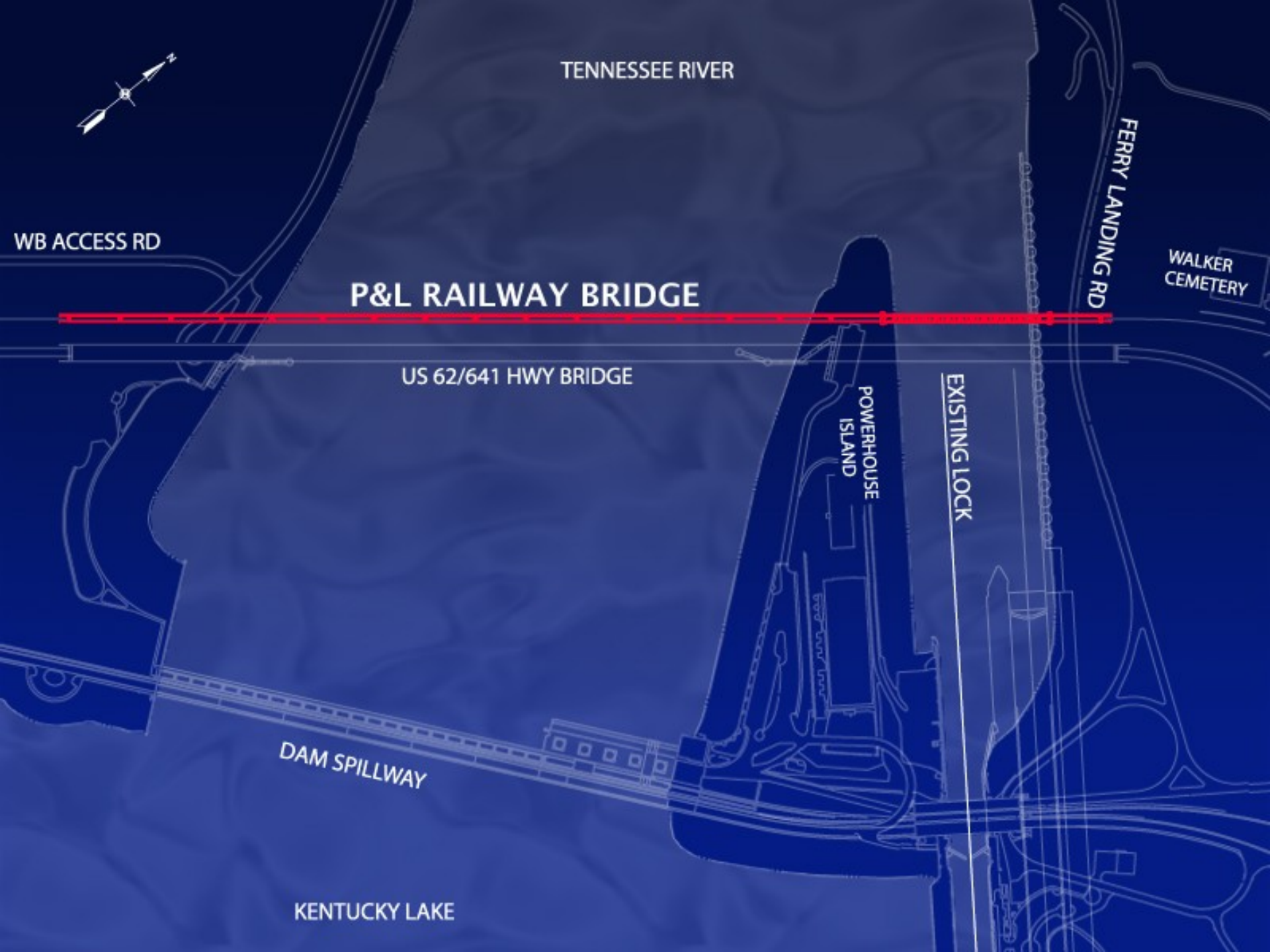
TENNESSEE RIVER
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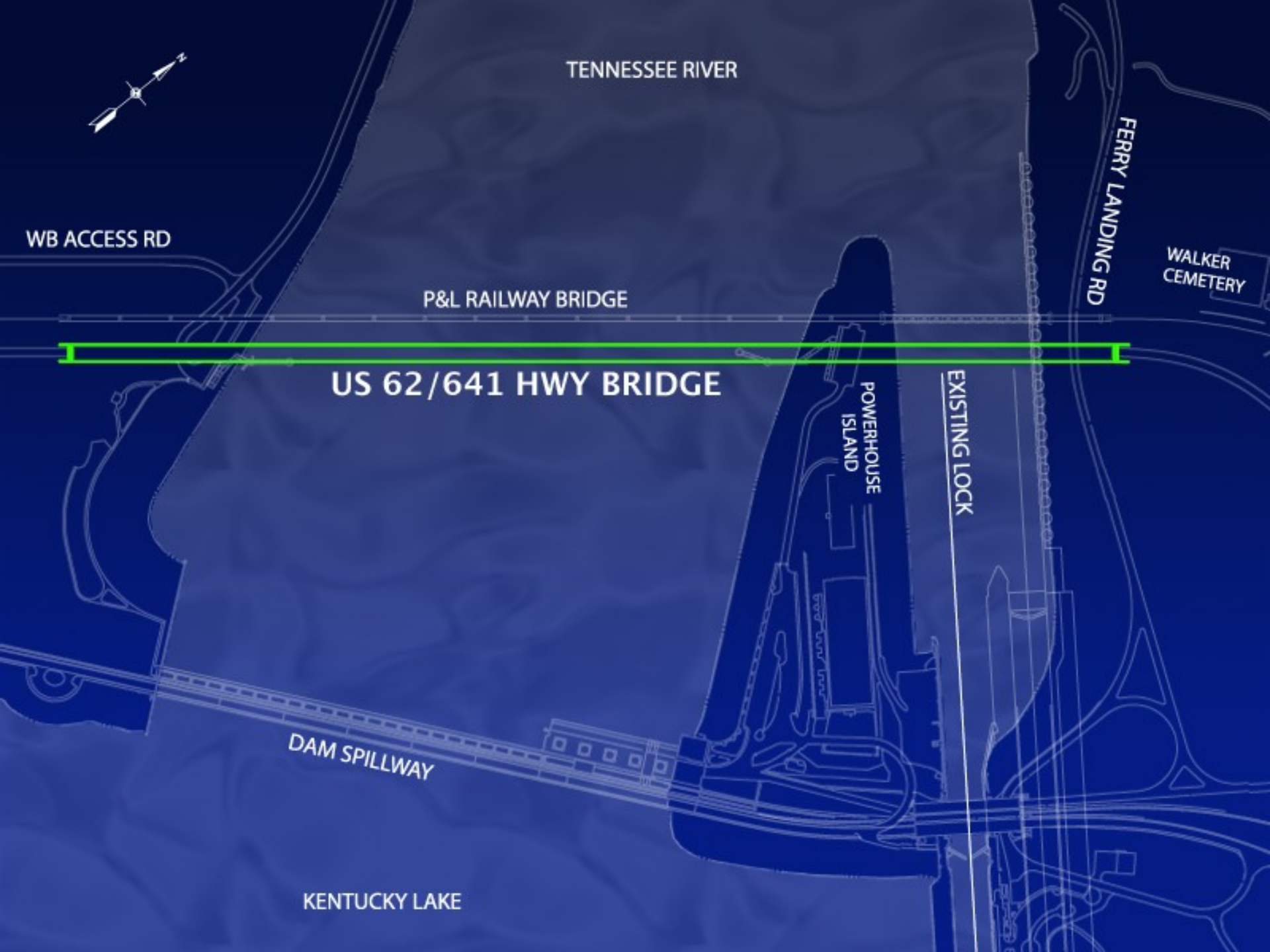
TENNESSEE RIVER
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KENTUCKY LAKE

Approach Span Railroad Pier

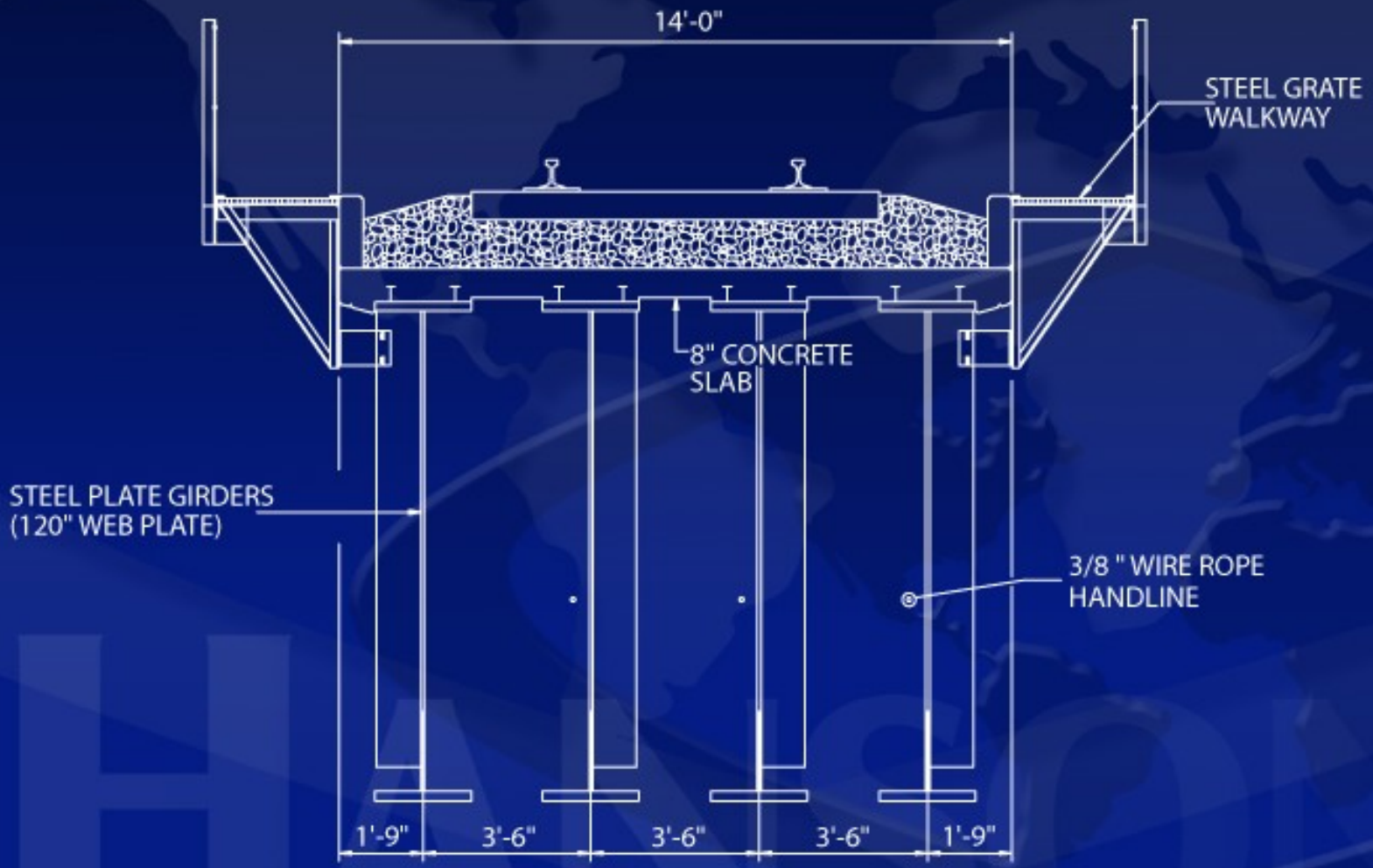
Approach Span Piers

Pier R16

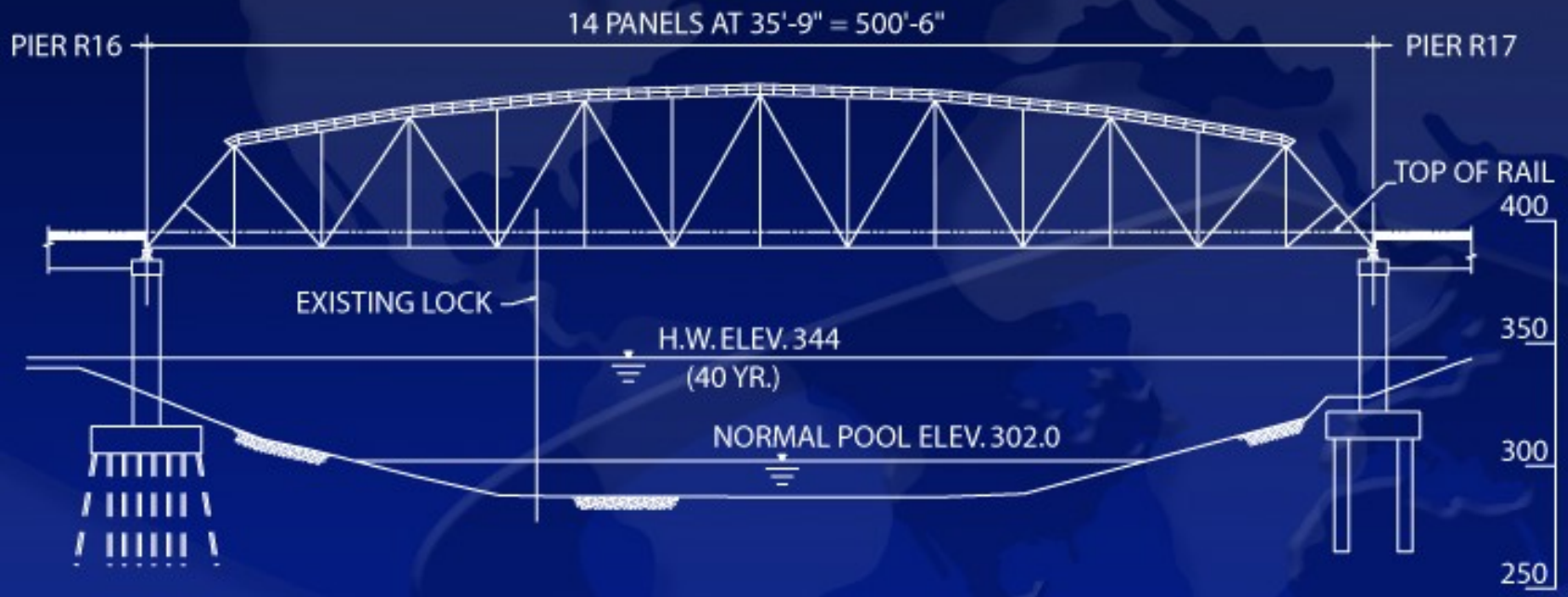
Highway & Railroad Bridge
Piers

Pier R16

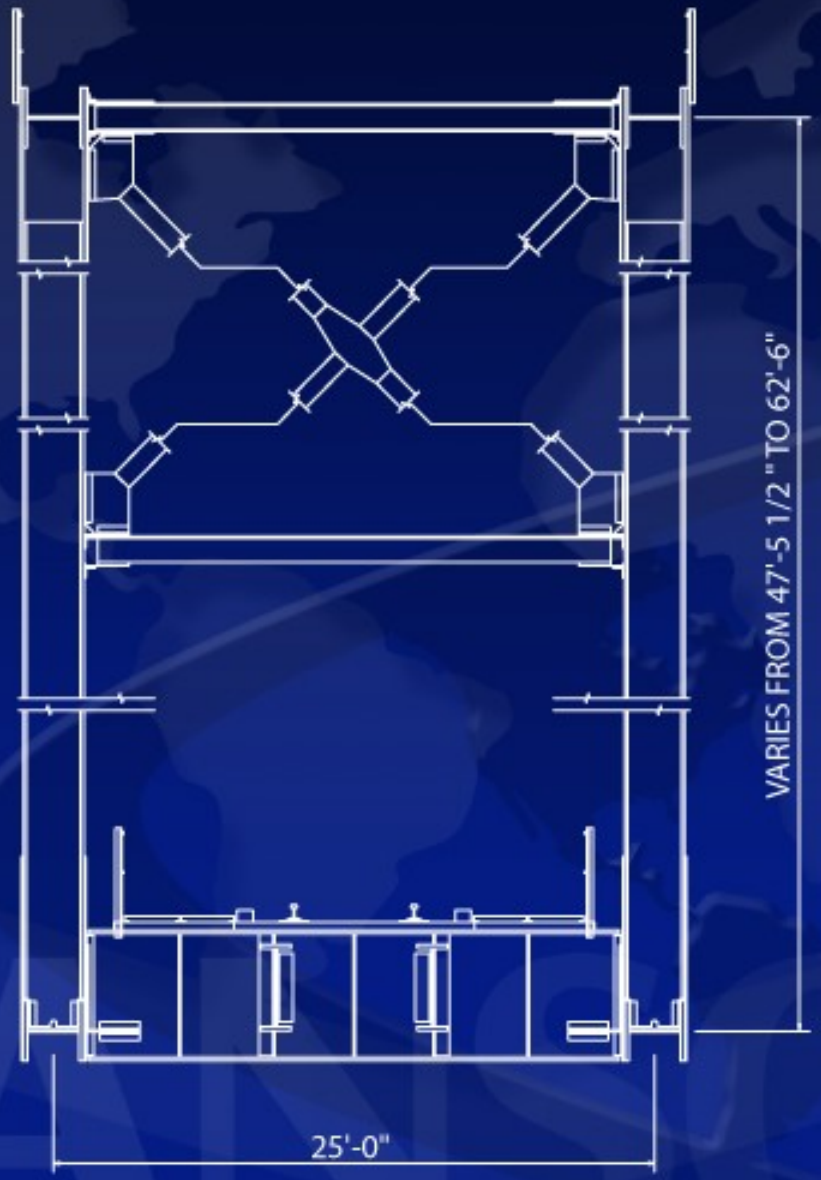
Typical Superstructure Approach Section



Truss Elevation



Truss Cross Section



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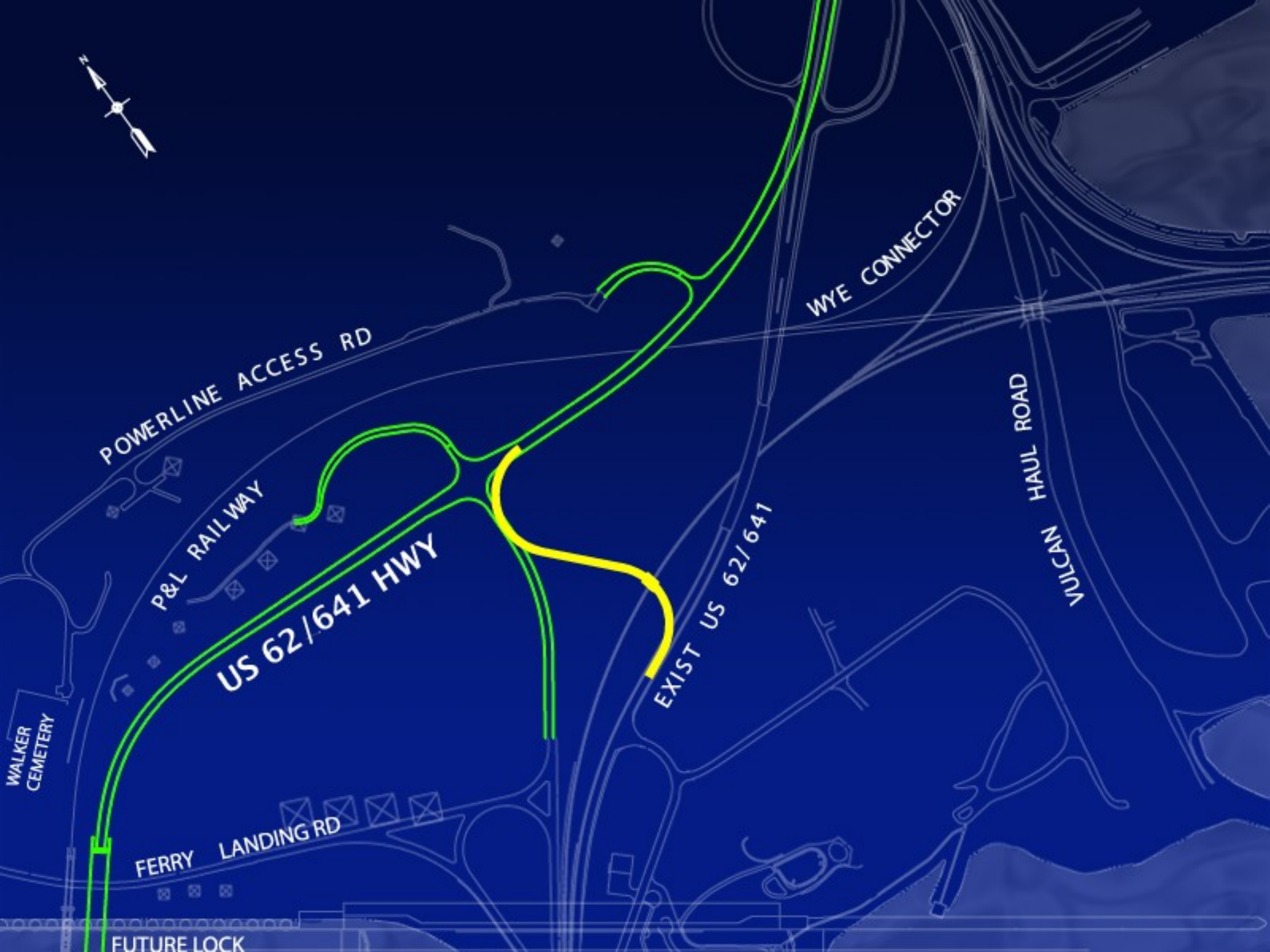
POWERLINE ACCESS RD
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East Bank Abutments

POWERLINE ACCESS RD
P&L RAILWAY
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EXIST US 62/641
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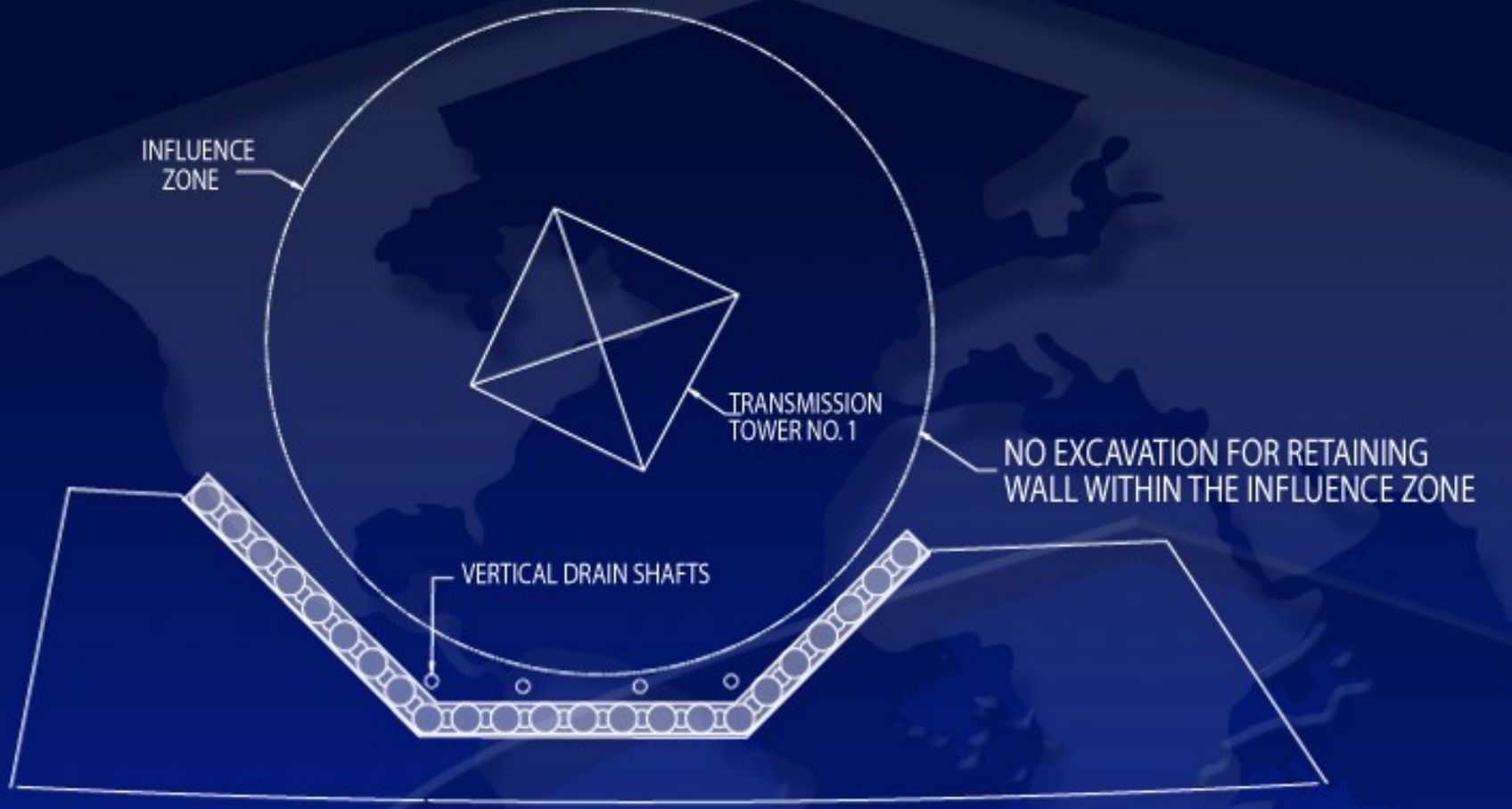
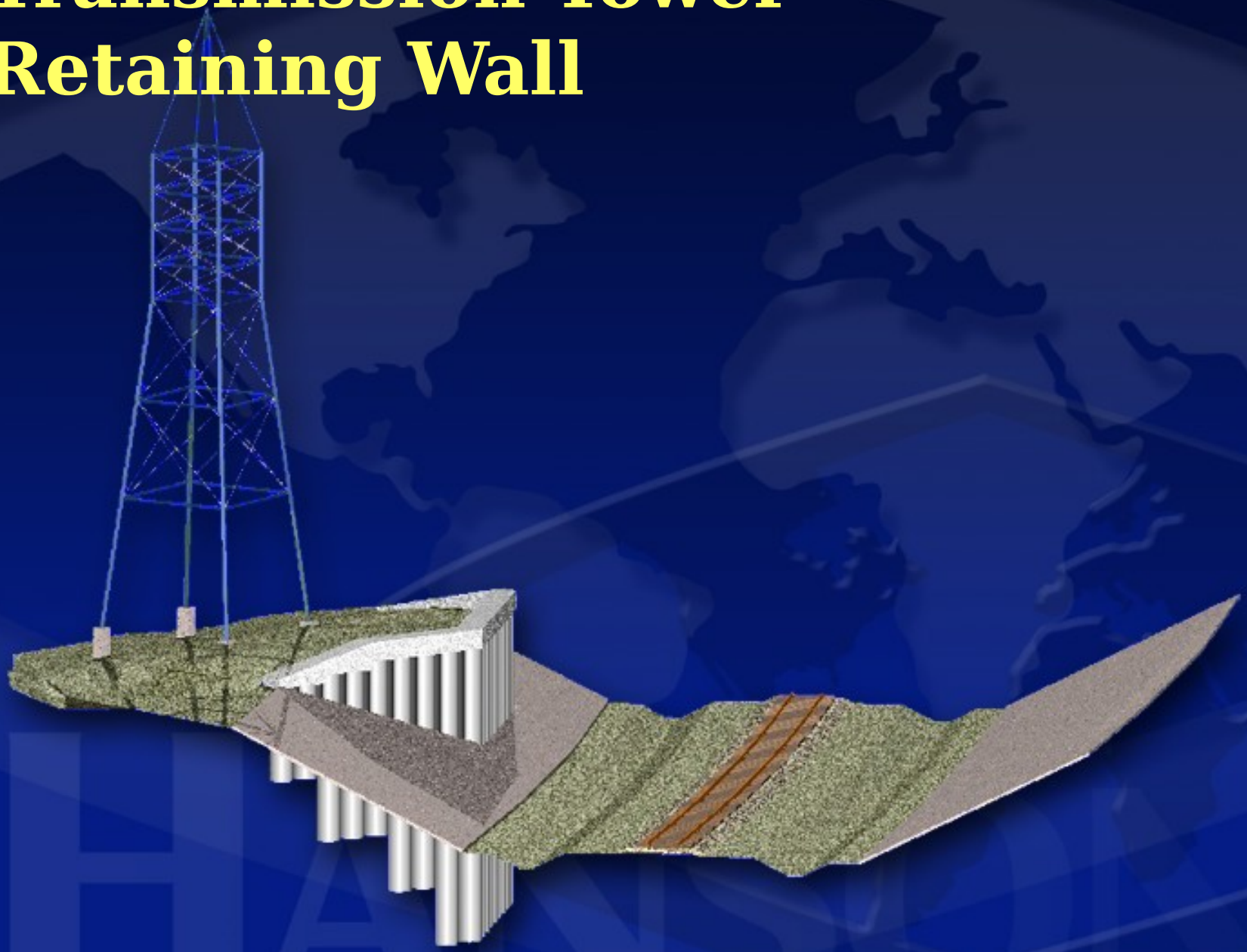

INFLUENCE ZONE
TRANSMISSION TOWER NO. 1
NO EXCAVATION FOR RETAINING WALL WITHIN THE INFLUENCE ZONE
VERTICAL DRAIN SHAFTS

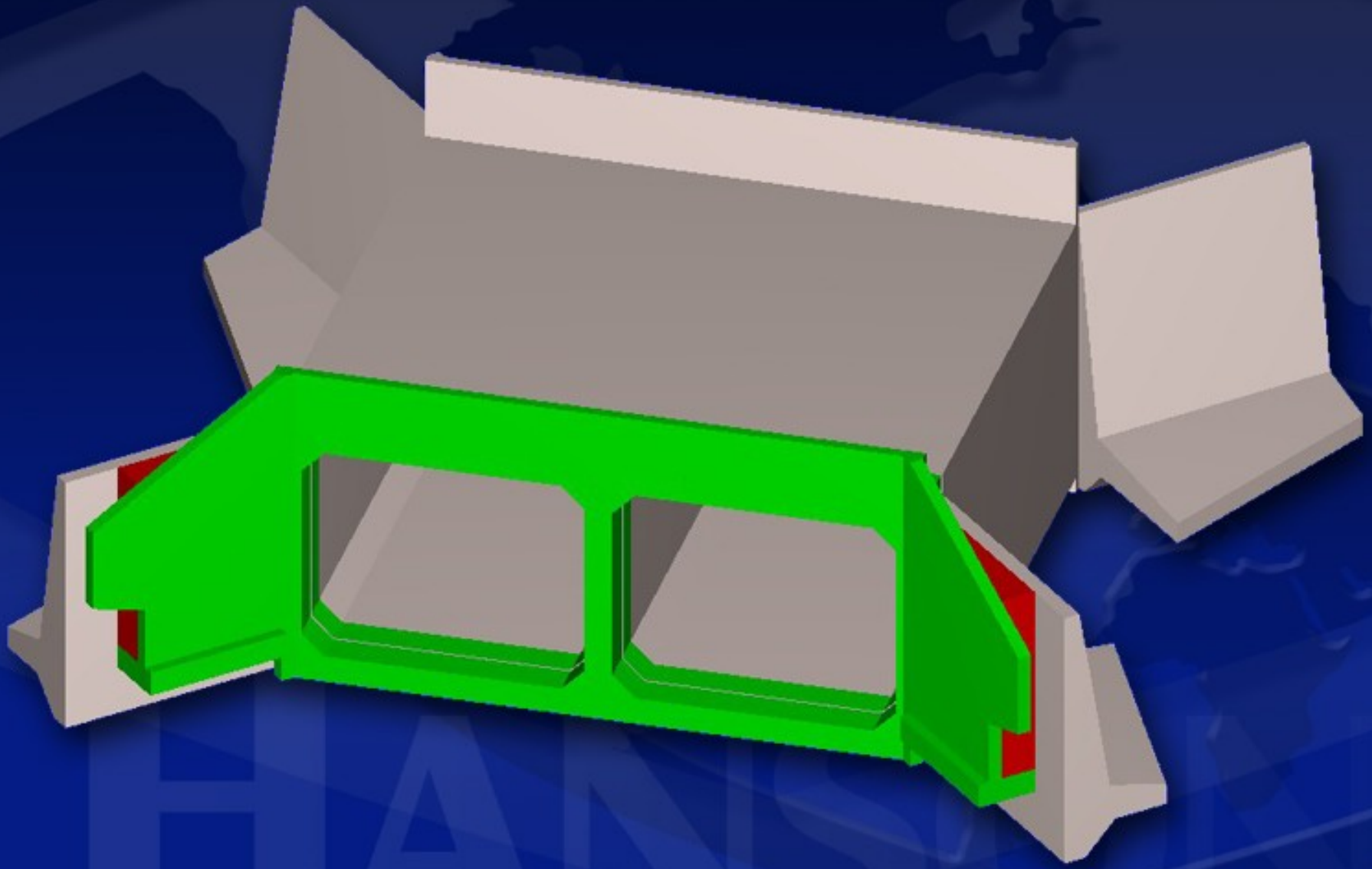
Transmission Tower Retaining Wall

Transmission Tower Retaining Wall

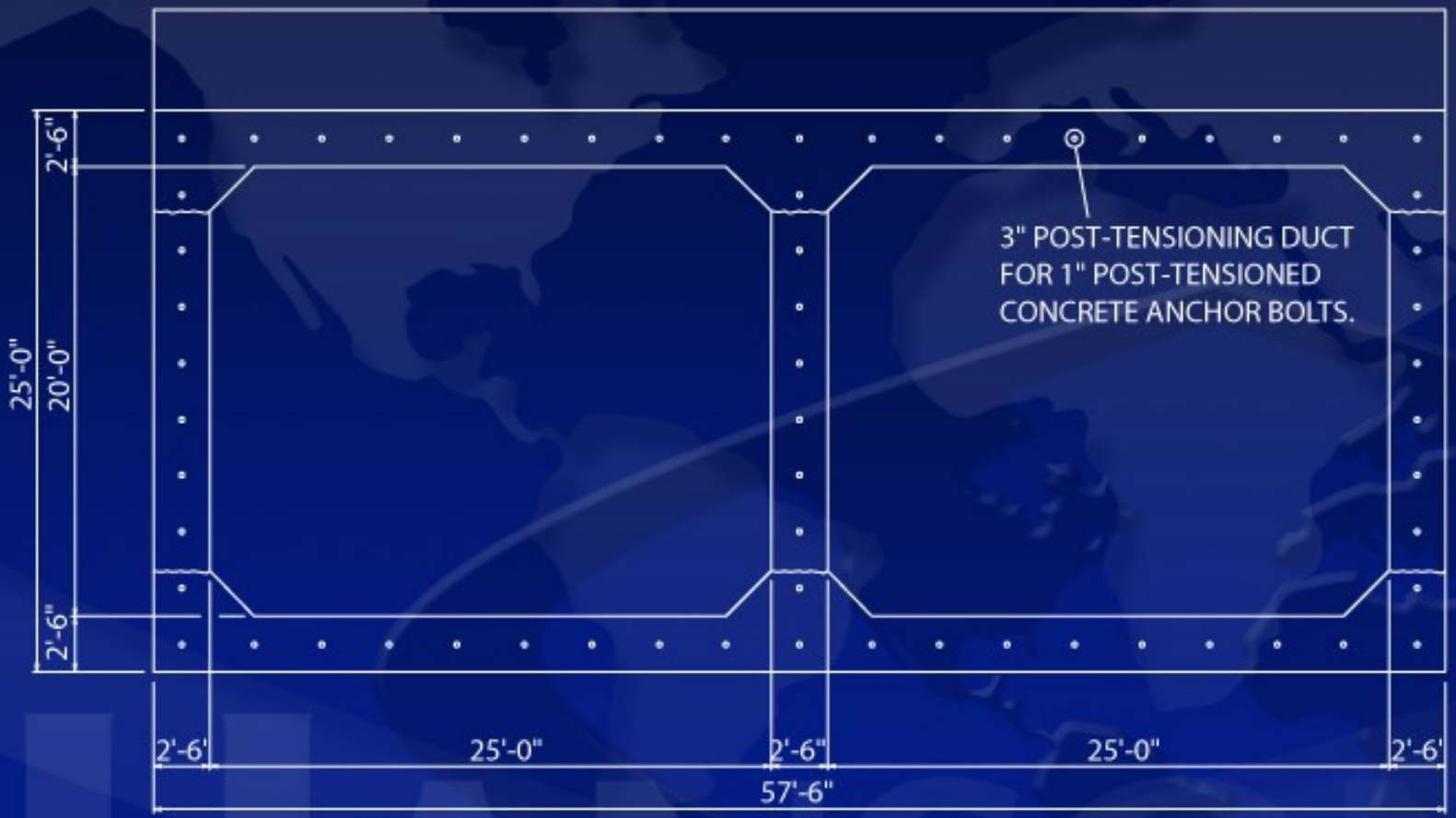


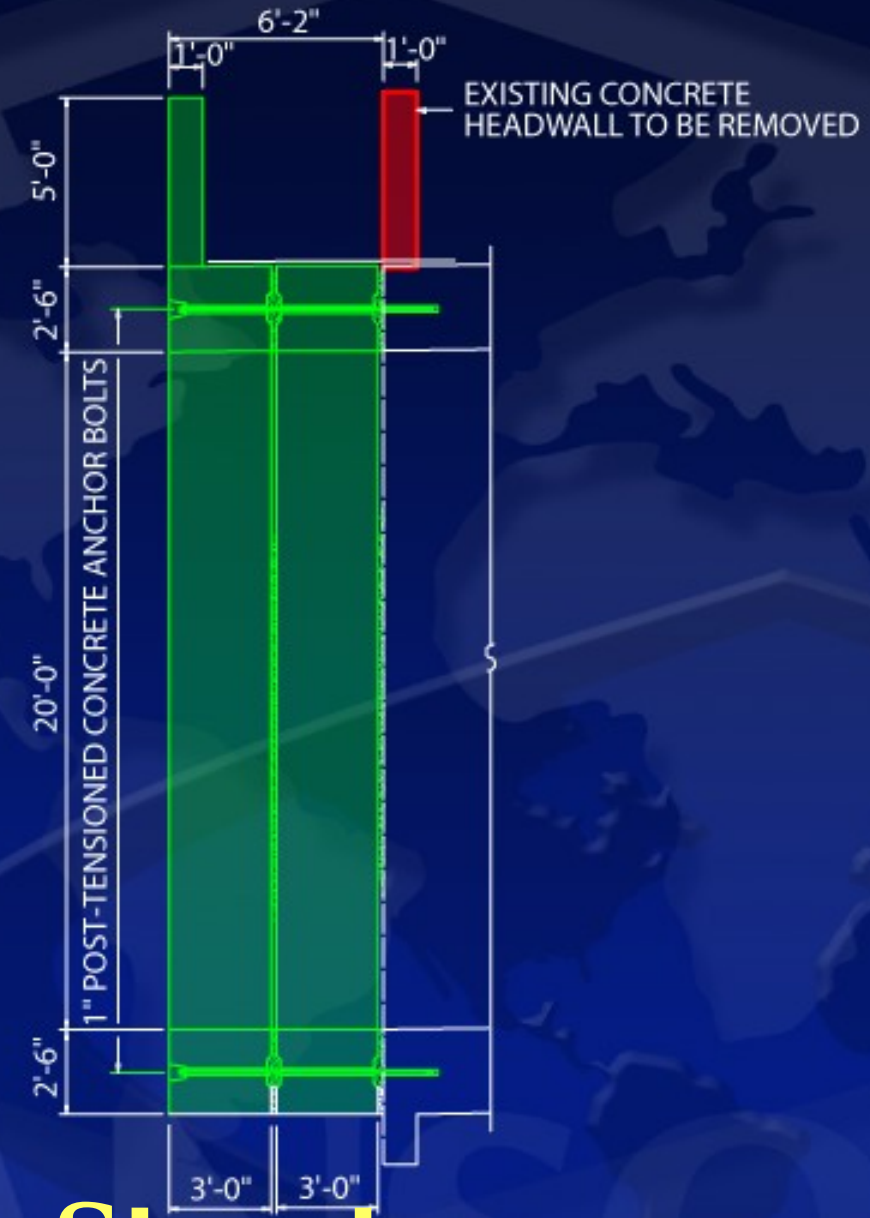
Vulcan Underpass Structure

Vulcan Underpass Structure



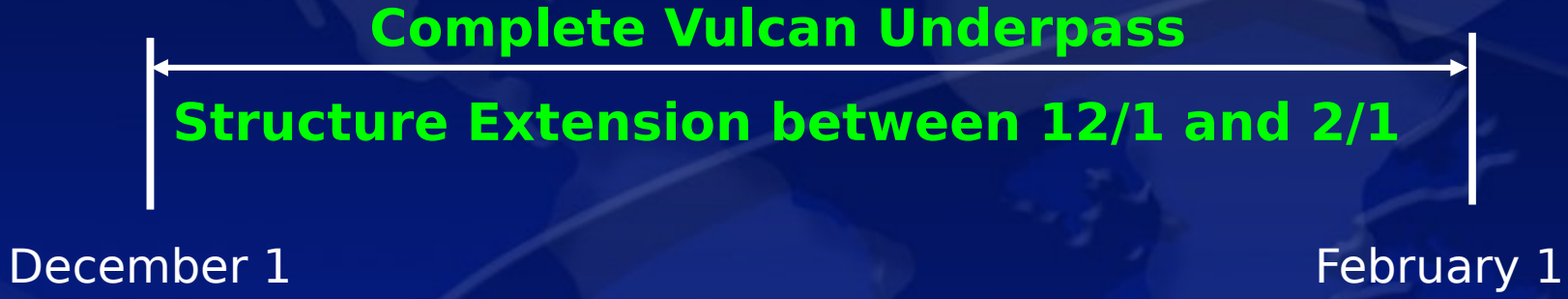
Underpass Structure Cross Section





Underpass Structure Extension

Sequencing Constraints
for Vulcan Underpass Structure Extension



Sequencing Constraints
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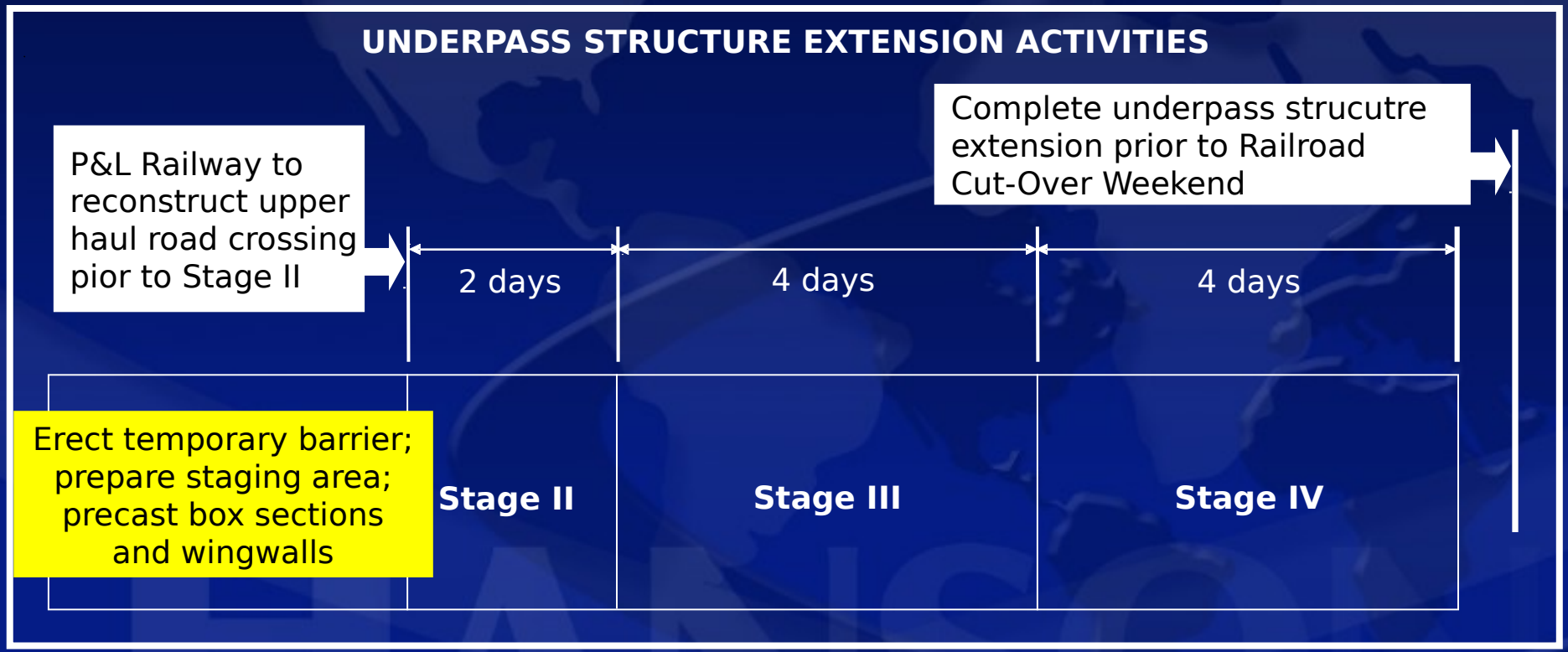
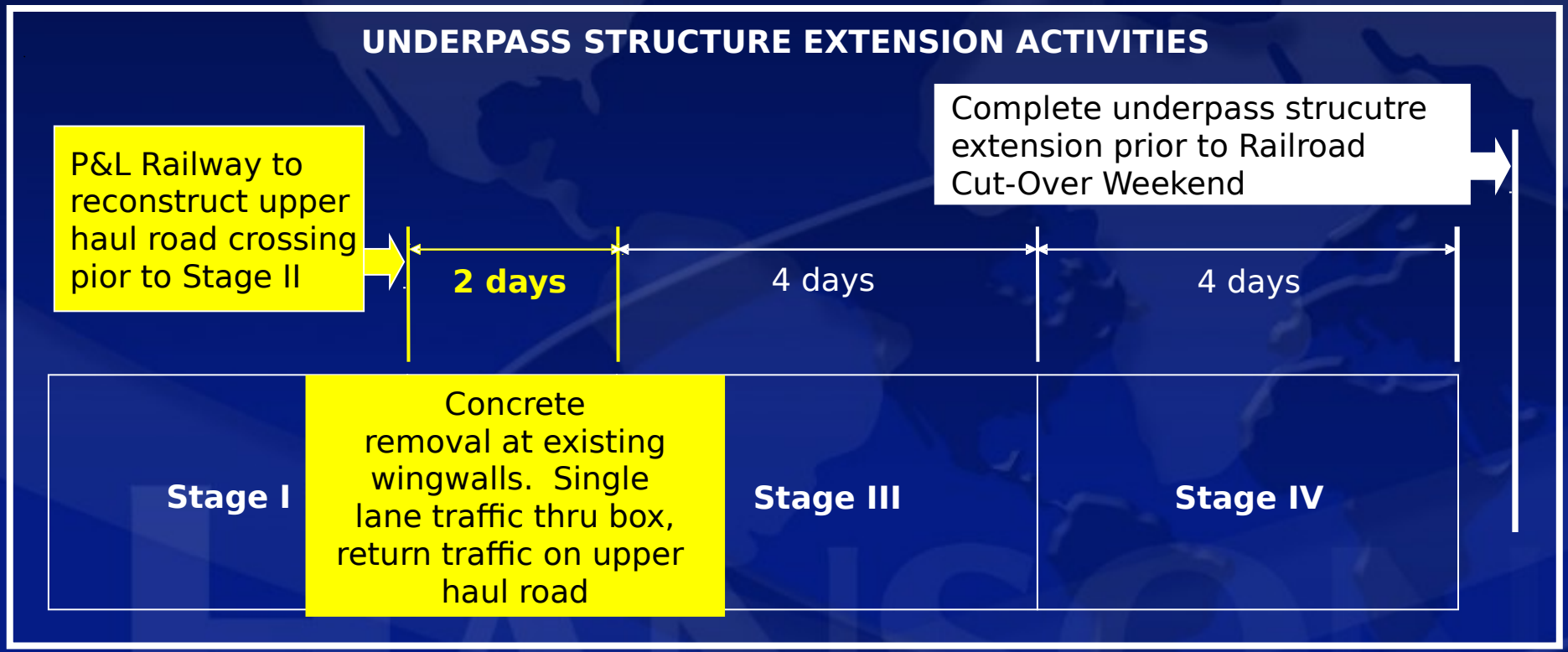
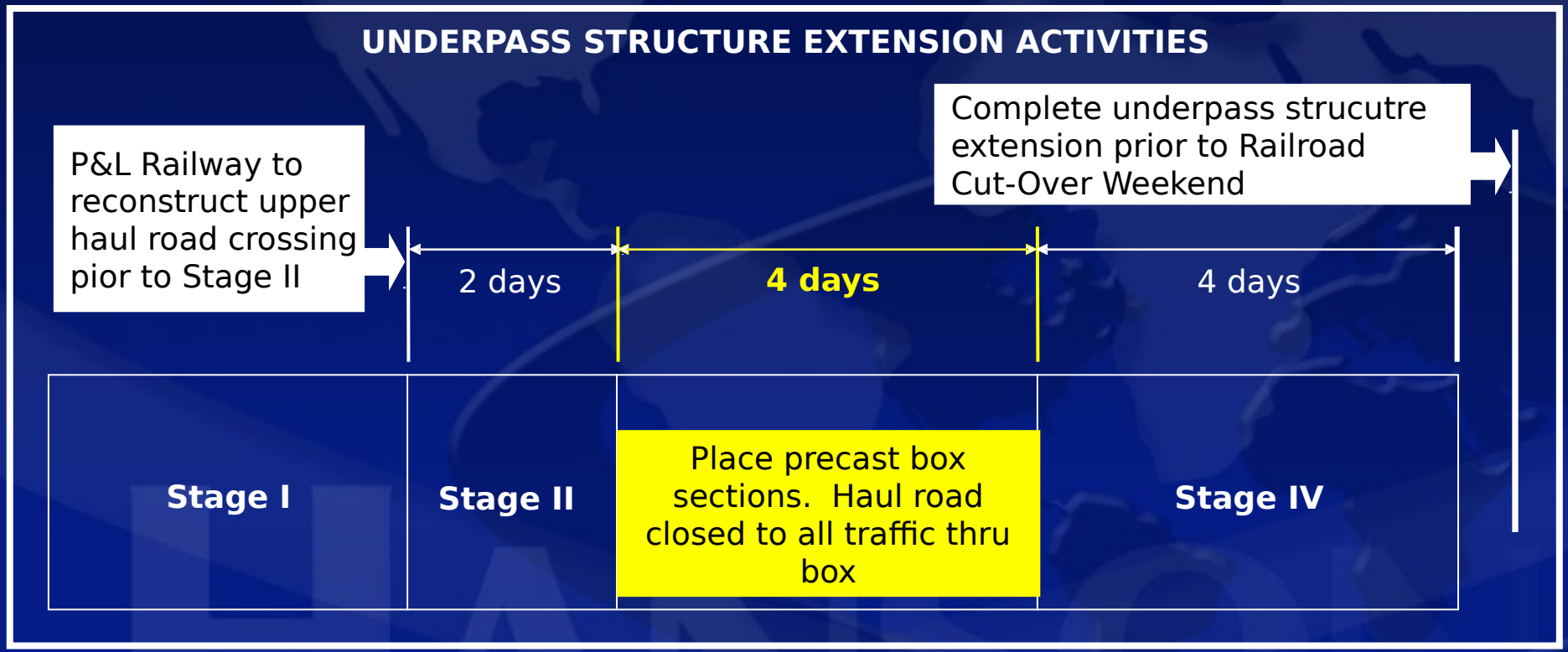

UNDERPASS STRUCTURE EXTENSION ACTIVITIES
P&L Railway to reconstruct upper haul road crossing pior to Stage II
Complete underpass strucutre extension prior to Railroad Cut-Over Weekend
2 days
4 days
4 days
Erect temporary barrier; prepare staging area; precast box sections and wingwalls
Stage II
Stage III
Stage IV

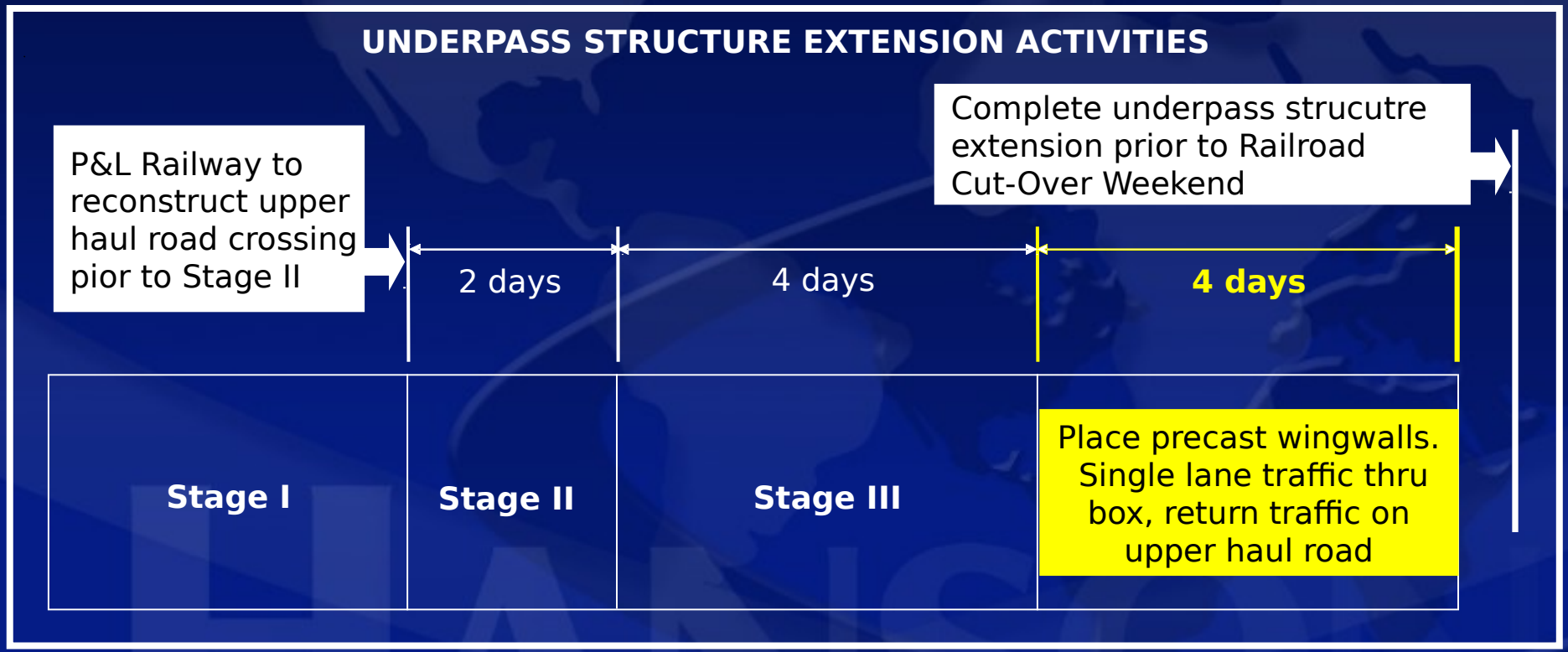
Sequencing Constraints
for Vulcan Underpass Structure Extension


UNDERPASS STRUCTURE EXTENSION ACTIVITIES
P&L Railway to reconstruct upper haul road crossing pior to Stage II
Complete underpass strucutre extension prior to Railroad Cut-Over Weekend
2 days
4 days
4 days
Stage I
Concrete removal at existing wingwalls. Single lane traffic thru box, return traffic on upper haul road
Stage III
Stage IV

Sequencing Constraints
for Vulcan Underpass Structure Extension


UNDERPASS STRUCTURE EXTENSION ACTIVITIES
P&L Railway to reconstruct upper haul road crossing pior to Stage II
Complete underpass strucutre extension prior to Railroad Cut-Over Weekend
2 days
4 days
4 days
Stage I
Stage II
Place precast box sections. Haul road closed to all traffic thru box
Stage IV

Sequencing Constraints
for Vulcan Underpass Structure Extension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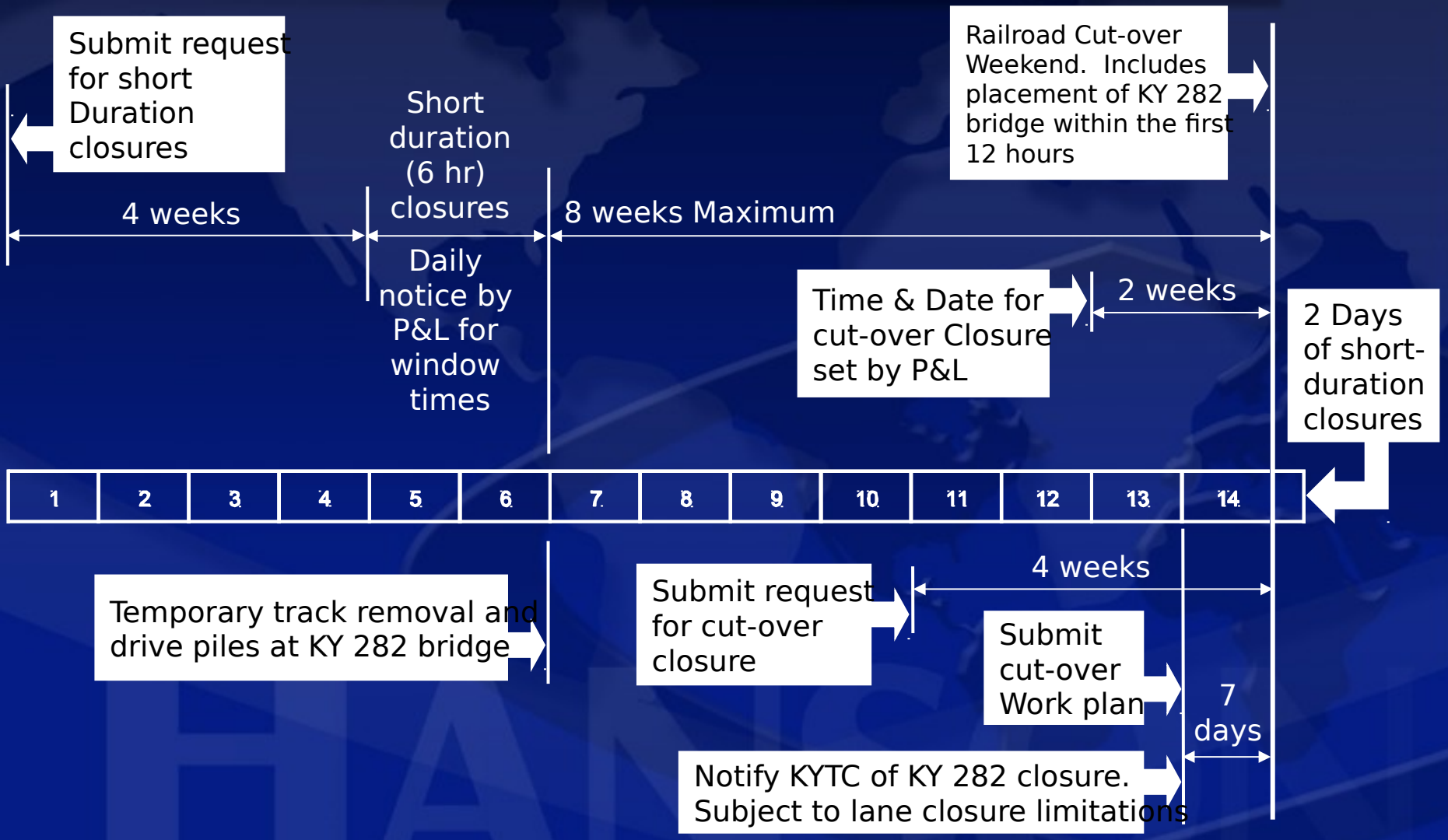
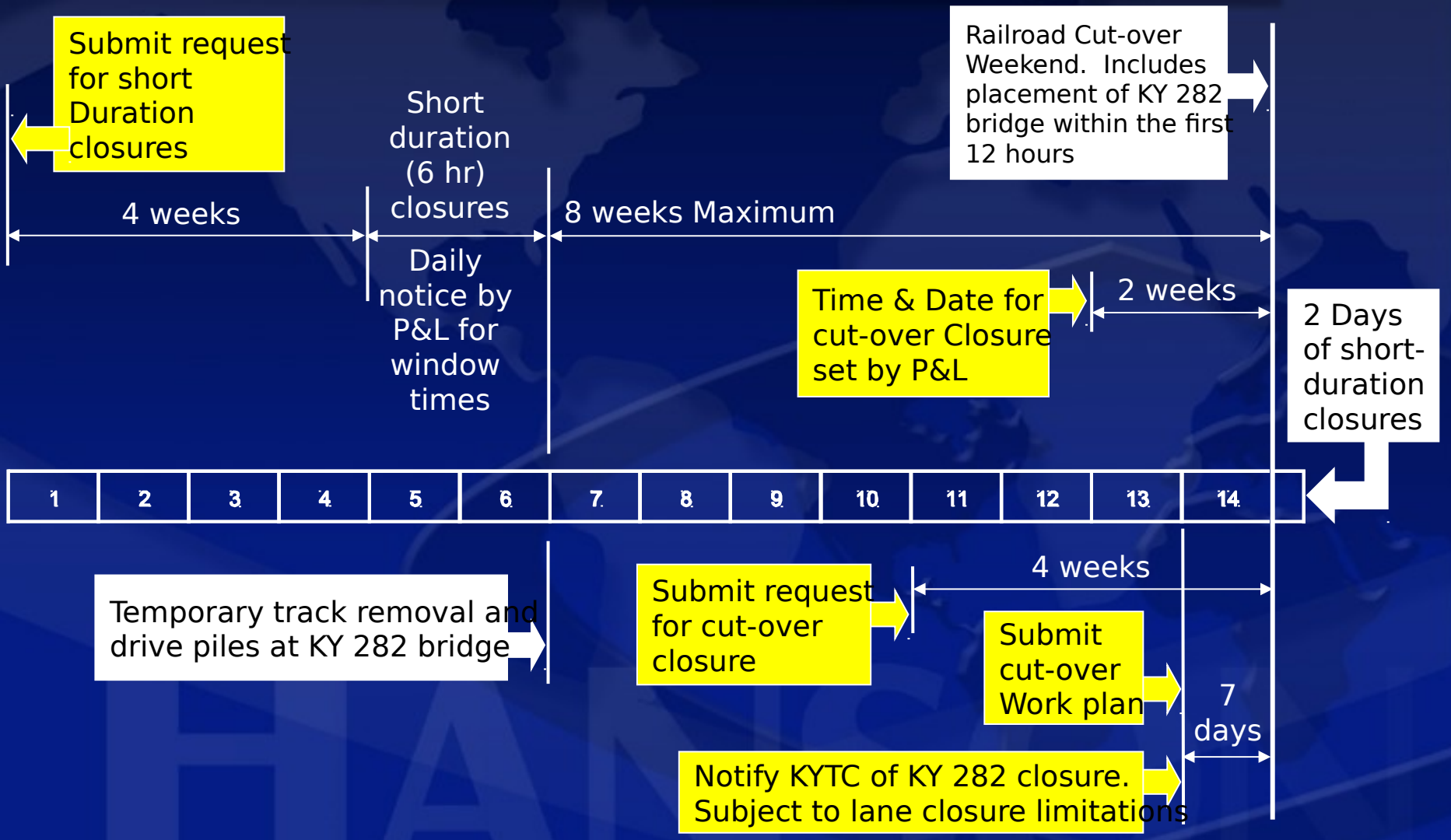
Sequencing Constraints
for Railroad Cut-Over



Sequencing Constraints
for Railroad Cut-Over



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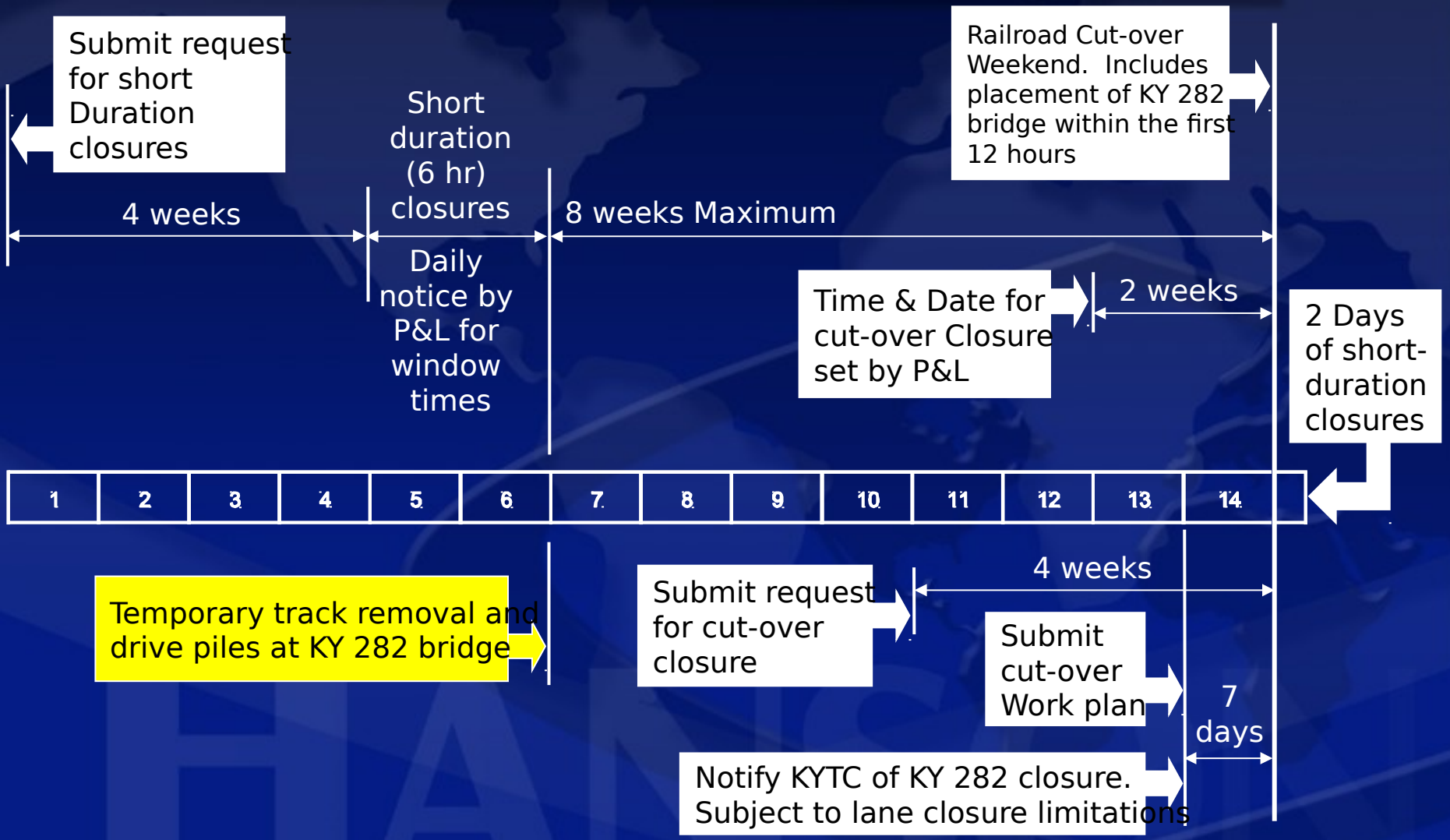

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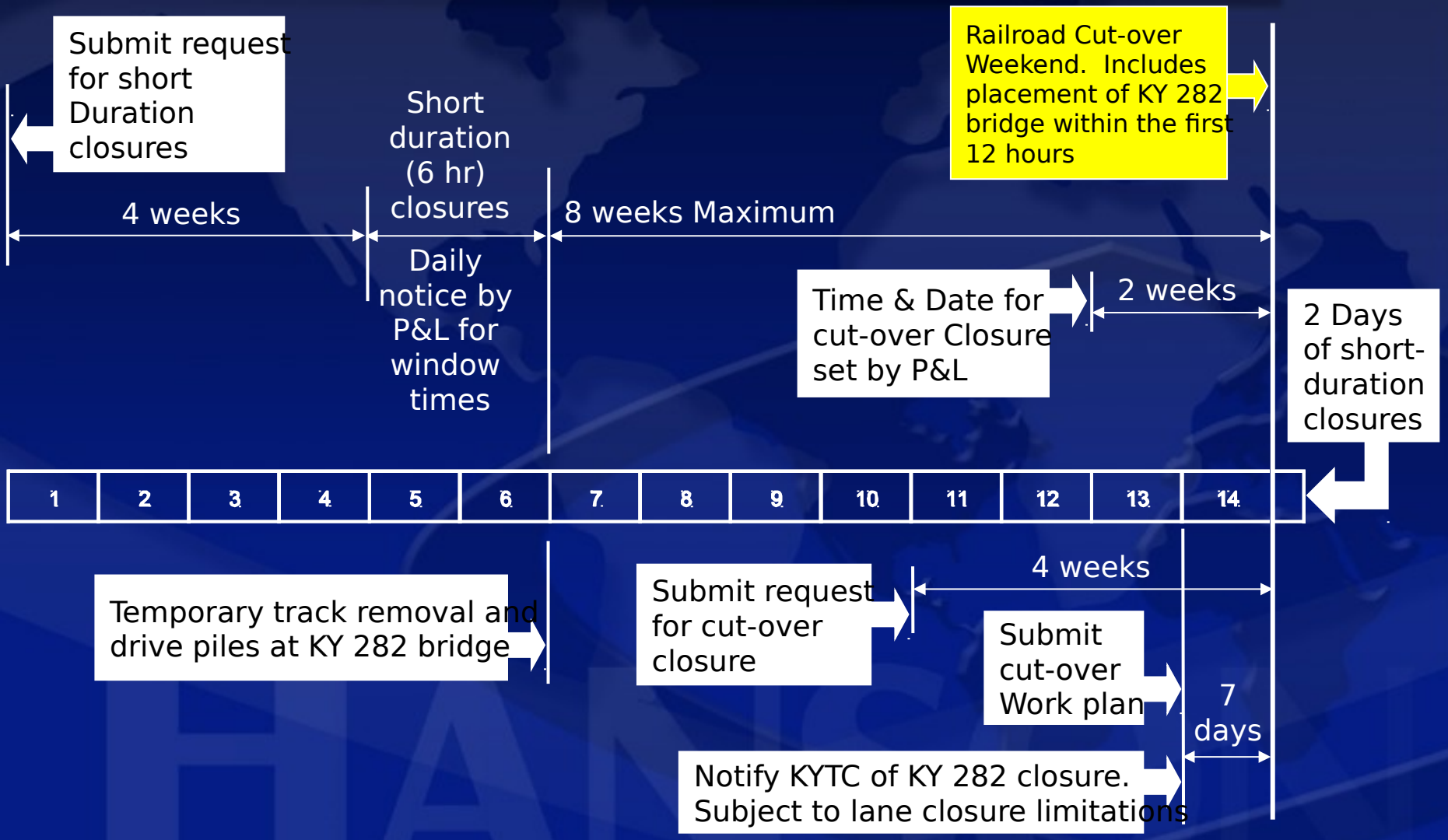

Sequencing Constraints
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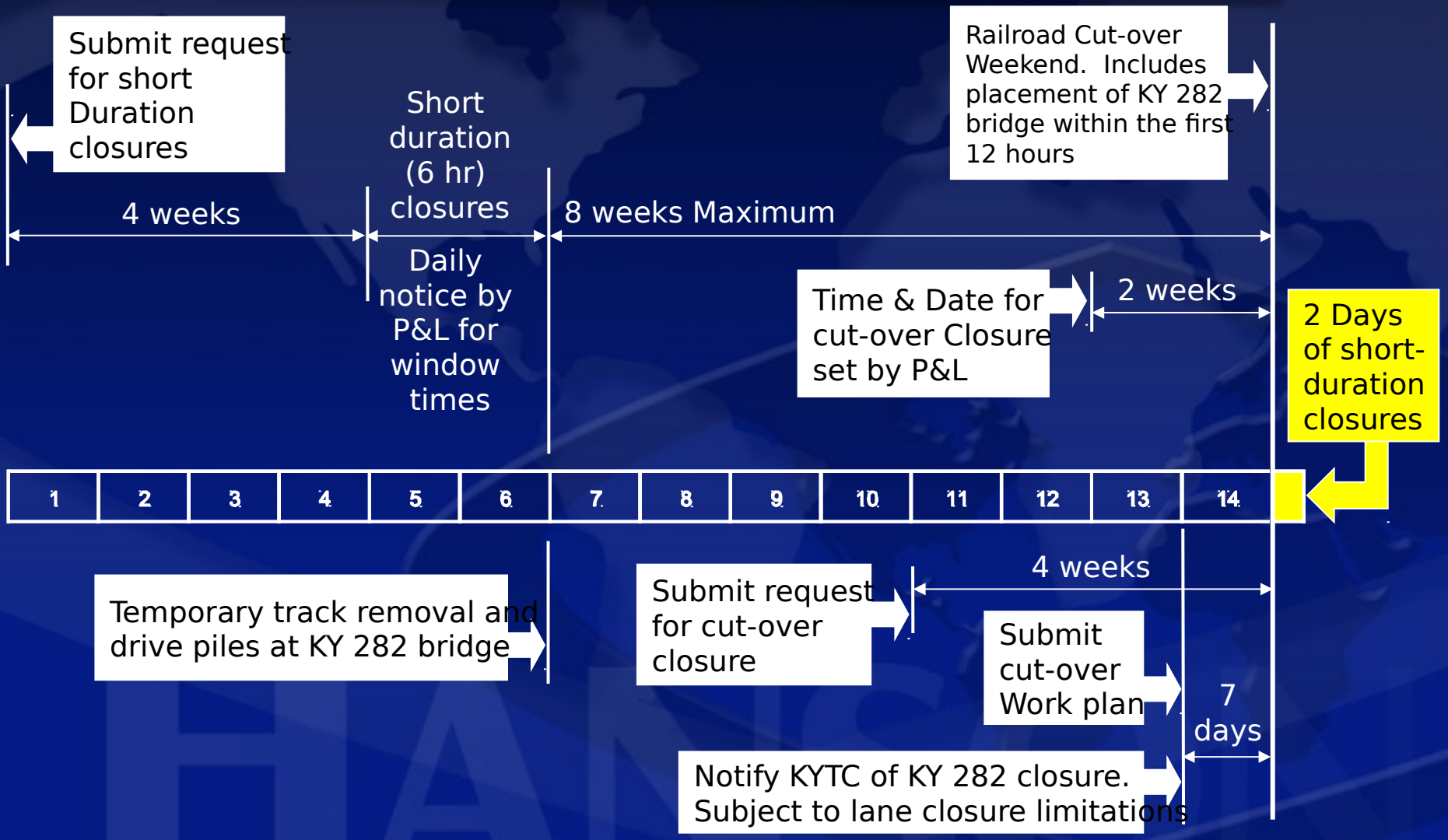
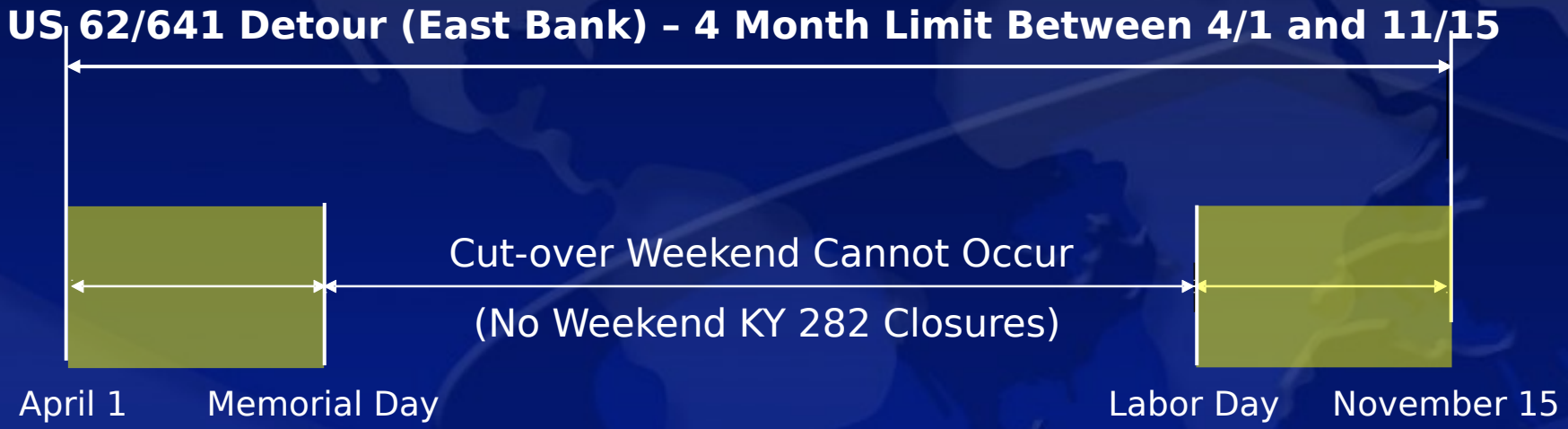


Window of Opportunity
for Railroad Weekend Cut-Over


US 62/641 Detour (East Bank) – 4 Month Limit Between 4/1 and 11/15
Cut-over Weekend Cannot Occur
(No Weekend KY 282 Closures)
April 1
Memorial Day
Labor Day
November 15

HANSON